

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
2016-1874 East Mall
Vancouver, BC V6T 1Z1
students.ubc.ca/senate

Vancouver Senate

AGENDA

THE NINTH REGULAR MEETING OF THE VANCOUVER SENATE

TUESDAY, MAY 16, 2006

7:00 P.M.

ROOM 1005, FOREST SCIENCES CENTRE, 2424 MAIN MALL, VANCOUVER CAMPUS

1. Minutes of the Meeting of April 22, 2006
(approval) (circulated)
2. Business Arising from the Minutes
3. Remarks from the Chair and Related Questions -- President Martha C. Piper
(information)
 - a. General Remarks
 - b. Certificate for Resigning Senators Principal John H. V. Gilbert and Dean Frieda Granot
4. Candidates for Degrees -- President Martha C. Piper
(approval) Lists as approved by the Faculties and Schools are available for advance inspection at Enrolment Services, and will also be available at the meeting. The Chair of Senate calls for the following motion:

That the candidates for degrees and diplomas, as approved by the Faculties and Schools, be granted the degree or diploma for which they were recommended, effective May 2006, and that the Registrar, in consultation with the Deans and the Chair of Senate, be empowered to make any necessary adjustments.
5. Admissions Committee -- Dr. James D. Berger
(approval) (circulated)
 - a. Proposal to Add French Baccalaureate to List of Approved Credentials
 - b. Requirements for Applicants from Singapore
 - c. Calendar Entry for Bachelor of Midwifery
 - d. Promotion Requirements for Bachelor of Human Kinetics
 - e. Applicants Presenting More than 24 Transferable Credits
 - f. Report on Third-Party Student Recruitment
 - g. Report on Non-AUCC institutions

.../continued

6. **Agenda Committee -- Dean Michael Isaacson**
Oral Status Report on Recommended Changes to the *University Act* (information)
7. **Appeals on Academic Standing -- Dr. Ronald Yaworsky**
Annual Report on Committee Activities (information)
8. **Interim Budget Committee -- Dr. James Brander**
Annual Report on Committee Activities (information)
9. **Curriculum, Academic Policy, and Admissions Committees -- Dr. Peter L. Marshall**
Executive Master of Business Administration (approval) (circulated)
10. **Curriculum and Admissions Committees -- Dr. Peter L. Marshall**
 - a. Entry to Practice Option for Dental Hygiene Program
(approval) (circulated)
 - b. M.Sc. and Ph.D. in Bioinformatics -- New Programs
(approval) (circulated)
11. **Curriculum Committee -- Dr. Peter L. Marshall**
Proposals from the Faculties of Applied Science, Arts, Commerce & Business Administration, Graduate Studies, Forestry, Land & Food Systems, Law, Science, and the College of Health Disciplines.
(approval) (circulated, except for a portion of the Graduate Studies materials, which are available for download at <http://www.students.ubc.ca/senate/schedule.cfm>)
12. **Nominating Committee -- Principal John H. V. Gilbert**
 - a. Membership of Senate Committees and Council of Senates Committees
(approval) (circulated)
 - b. Senate Committee Composition and Terms of Reference
(approval) (circulated)
13. **Nominating and Agenda Committees -- Dean Michael Isaacson**
Joint Report on the Academic Building Needs Committee Mandate
(approval) (circulated)
14. **Student Appeals on Academic Discipline -- Prof. Christine Boyle**
Annual Report on Committee Activities (information)
15. **Student Awards Committee -- Dr. George Bluman**
New Awards
(approval) (circulated)
16. **Teaching and Learning Committee -- Dr. Joy Johnson**
Recommendations Regarding Student Evaluation of Learning Experiences
(approval) (circulated)

.../continued

17. Tributes Committee -- Dr. Sally Thorne

Candidates for Emeritus/Emerita Status
(approval) (circulated)

18. Reports from the Vice-President, Academic & Provost -- Dr. Lorne A. Whitehead

- a. Enrolment 2006/2007
(approval) (circulated)
- b. Establishment of the Department of Anthropology and the Department of Sociology to replace the Department of Anthropology and Sociology in the Faculty of Arts (approval) (circulated)
- c. Establishment of the Department of Urologic Sciences in the Faculty of Medicine (approval) (circulated)
- d. Establishment of the National Centre for Business Law in the Faculty of Law (approval) (circulated)
- e. Report on the Institute for the Scholarship of Teaching and Learning (information) (circulated)

19. Report from the University Librarian -- Ms. Catherine Quinlan

2004/2005 Annual Report (information) (circulated)

20. Proposed Agenda Items

21. Other Business

Senate regulation 3.1.2 of the Rules and Procedures of Senate states that meetings will adjourn no later than 9:30 p.m.

Regrets: Lisa Collins, telephone 604.822.2951 or email: lisa.collins@ubc.ca

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate & Curriculum
Services
Brock Hall
2016-1874 East Mall
Vancouver, BC V6T 1Z1

May 4, 2006

Memo to: Senate

From: Admissions Committee

Re: Calendar Changes

The Admissions Committee recommends:

That Senate approve the admissions proposals as listed.

- a. Addition of French Baccalaureate to the list of approved credentials for admission for applicants from a secondary school outside Canada. (approval) (circulated)

The Admissions Committee recommends that Senate approve the addition of French Baccalaureate to the list of approved credentials for admission for applicants from a secondary school outside Canada as circulated.

- b. Addition of a calendar entry for applicants from Singapore listed under “applicants from a secondary school outside Canada”. (approval) (circulated)

The Admissions Committee recommends that Senate approve the addition of a calendar entry for applicants from Singapore listed under “applicants from a secondary school outside Canada” as circulated.

- c. Change to calendar entry for the Bachelor of Midwifery program (approval) (circulated)

The Admissions Committee recommends that Senate approve the change to the calendar entry for the Bachelor of Midwifery as circulated.

- d. Addition of calendar entry regarding promotion requirements for students in the Bachelor of Human Kinetics degree programs. (approval) (circulated)

The Admissions Committee recommends that Senate approve the addition of the calendar entry regarding promotion requirements for students in the Bachelor of Human Kinetics degree programs as circulated.

- e. Change to admission requirement for students presenting more than 24 transferable credits. (approval) (circulated)

The Admissions Committee recommends that Senate approve the change to the admission requirement for students presenting more than 24 transferable credits as circulated.

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Respectfully submitted,

Dr. James Berger, Chair
Senate Admissions Committee



UBC Curriculum Proposal Form Change to Course or Program

Category: 2

<p>Department: Undergraduate Admissions</p> <p>Effective: Immediately (online Calendar to be updated as soon as possible; hardcopy Calendar to be updated for 2007/08 edition)</p>	<p>Date: April 4, 2006</p> <p>Contact Person: Tanis Huckell</p> <p>Phone: (604) 822-1633</p> <p>Email: thuckell@students.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>A new bullet to be inserted after the International Baccalaureate (IB) blurb, to read as follows:</p> <ul style="list-style-type: none">▪ French Baccalaureate and French Baccalaureate International Option (OIB). Completion of the <i>baccalauréat général</i> or the <i>baccalauréat général (option internationale)</i>. All sections – S (<i>scientifique</i>), L (<i>littéraire</i>), or ES (<i>économique et sociale</i>) – are eligible for consideration. The <i>baccalauréat technologique</i> may be considered for admission on a case-by-case basis. <p>[...]</p> <p>Applicants presenting appropriate subjects with high academic achievement on the Advanced Level (GCE), Principal Level (HSC), Higher Level (IB), French Baccalaureate, or Advanced Placement will, where appropriate, be considered for advanced credit or placement.</p>	<p>URL:</p> <p>Vancouver Calendar: http://students.ubc.ca/calendar/index.cfm?tree=2,24,0,0</p> <p>Okanagan Calendar: http://okanagan.students.ubc.ca/calendar/index.cfm?tree=2,24,0,0</p> <p>Present Calendar Entry:</p> <p><i>Applicants from a Secondary School outside Canada</i></p> <p>The following list outlines the minimum standing for admission in terms of educational credentials. All students must present prerequisites appropriate for their intended program of study.</p> <ul style="list-style-type: none">▪ General Certificate of Secondary Education (GCSE) or General Certificate of Education (GCE), with standing in at least five subject areas, including English, with three at the Advanced Level.▪ School Certificate (SC). A Division 1 Certificate with standing in at least five different subjects, including English, with two at the Principal Level on the Higher School Certificate (HSC).▪ International Baccalaureate (IB). A Diploma with standing in at least six subjects, three at the standard level and three at the higher level, with a Diploma awarded. <p>▪ [...]</p>



	<p>[...]</p> <p>Applicants presenting appropriate subjects with high academic achievement on the Advanced Level (GCE), Principal Level (HSC), Higher Level (IB), or Advanced Placement will, where appropriate, be considered for advanced credit or placement.</p> <p>Type of Action:</p> <p>Addition of a brief paragraph that describes UBC's acceptance of the French Baccalaureate credential as a basis of admission to undergraduate programs at UBC, plus notification that transfer credit will be considered.</p> <p>Rationale:</p> <p>The proposed blurb does not reflect any new methodology in the way that the Undergraduate Admissions Office evaluates this credential. Rather, as we see an increasing number of applicants from this educational system, a Calendar entry specifically addressing this group seems worthwhile.</p> <p>Research recently completed by the Undergraduate Admissions Office has broadened our understanding of this credential and increased our ability to phrase this information in a way that is relevant to this applicant group.</p>
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Singapore's New "A" Level Curriculum - Overview and Recommendations

Prepared by Rosalie Vlaar, Assistant Registrar, International

UBC Undergraduate Admissions

March 2006

Background

In the Fall of 2005, Karen McKellin, Associate Director of the International Student Initiative, wrote to the Chair of the Senate Admissions Committee, Undergraduate Admissions, and to the Associate Deans of Arts, Science and Applied Science, providing a "heads up" that Singapore would be introducing a new curriculum in 2006. She provided a brief overview of the new curriculum, a web link, a copy of a "Briefing Document for Universities" prepared by the University of Cambridge International Examinations, and a brochure on the new curriculum from the Singapore Ministry of Education.

The information provided by ISI has been followed up by further research in the Undergraduate Admissions Office. This research has resulted in the following overview of what we believe to be the key points of interest to the Senate Admissions Committee regarding the new "A" level curriculum in Singapore.

The New "A" Level Curriculum

Starting in 2006, students entering Junior Colleges and the Centralised Institute in Singapore will be taking a new "A" level curriculum. Details are provided at <http://www.moe.gov.sg/cpdd/alevel2006/experience/exp.htm>.

The new A-level curriculum is composed of at least two H2 level examinations plus a General Paper (GP) or Knowledge & Inquiry (KI) exam, plus a course in the Mother Tongue Language (MTL) at either the H1 or H2 level. The H-level subjects are broken into three levels, as follows:

- H1 level is equivalent to half the H2 breadth but comparable to H2 in depth. This makes them a bit like AS level subjects in the British system (generally comparable to Grade 12-level in the North American system).
- H2 subjects are comparable to the current 'A' level subjects of the British system, in terms of both demand and intellectual challenge. Most H2 subjects would have similar coverage as 'A' level subjects but would have content reduced to free up curriculum time for contrasting subjects and non-academic pursuits. It is not clear what the implication of this content reduction is, but the University of Cambridge, International Examinations, state that H2's are "equivalent to current 'A' level".
- H3 level goes beyond the regular curriculum in areas where the student has a particular strength or passion. This level is available to the top 10-15% of the cohort. H3 students may undertake an additional 120-170 learning hours on advanced content, a research paper, or an undergraduate level module in addition to their H2 study.

Students must present at least 4 content-based subjects, 3 of which have to be at the H2 level and must cover both the Arts/Humanities and Mathematics/Sciences content-based disciplines. *Students capable of an expanded curriculum may present 5 content-based subjects (3 x H2, 2 x H1).*

Singapore Universities' Approach to the New Curriculum:

Singapore's two major universities, the National University of Singapore (NUS) and the Nanyang Technological University (NTU), have indicated that applicants with this new curriculum must have the equivalent of graduation:

- At least two H2 passes
- Attempted the General Paper (GP) or Knowledge & Inquiry (KI) in the same sitting
- A minimum grade of 'S' in Mother Tongue Language (MTL).

... and that selection for admission will be based on:

- Grades in three H2 and one H1 content-based subjects (at least one must be a contrasting subject). The contrasting subject is used in admission in support of broad-based education
- Grades in GP/KI
- Grades in Project Work (PW)
- The Mother Tongue Language grade may also be included if the student performed well the subject. This may be listed as either an H1 or H2 subject.

Singapore universities will consider special achievements in the CCA, CIP or H3 subjects and other pursuits, independent of the other examination grades. They also reference requirements such as portfolio and interview requirements that are in place for some programs.

UBC Admissions Recommendation for Singapore Applicants - 2008 and onwards:

The current admission requirements for individuals on a British-patterned education system, which has applied to Singapore applicants in past, are stated in the UBC Calendar as follows:

APPLICANTS FROM A SECONDARY SCHOOL OUTSIDE CANADA

The following list outlines the minimum standing for admission in terms of educational credentials. All students must present prerequisites appropriate for their intended program of study.

- General Certificate of Secondary Education (GCSE) and General Certificate of Education (GCE), with standing in at least five subject areas, including English, with three at the Advanced Level.

... Applicants presenting appropriate subjects with high academic achievement on the Advanced Level [...] will, where appropriate, be considered for advanced credit or placement.

The above will be relevant for Singapore applicants up to and including the 2007 admission year. For graduates of the new curriculum in 2008, the Admissions Office proposes that a new requirement be articulated in the calendar so that Singapore applicants on the new system will know how to prepare themselves. The first graduates of this new system will be applicants to UBC for 2008 admission but will begin their new curriculum this Fall 2006. A new bullet-point should be added under the Calendar heading, above, and could read as follows:

- **Singapore (completion in 2008 and onwards): Applicants must present evidence of completion of the new curriculum. Admission will be based on at least five examinations in content-based subjects, including English, with three at the H2 level and two at the H1 level.**

... Applicants presenting appropriate subjects with high academic achievement on the Advanced Level, **Singapore H2 and H3 Level**, [...] will, where appropriate, be considered for advanced credit or placement.

This would be in line with both UBC's past standards for curricula following this model and with the published practices set out by universities in Singapore for 2008 onwards.

A calendar change proposal form has been prepared by Undergraduate Admissions (see attached) for consideration by the Senate Admissions Committee and Senate.

Posting Course Levels for the High School Record in the SISC

As with all international curricula, the Admissions Office is tasked with determining the comparable course levels to BC Grades 11 and 12. These levels are then posted to the High School Record in the SISC and are used by the Faculties for pre-requisite checking and advising purposes

The University of Cambridge, International Examinations, consider H2's equivalent to A-levels and H1's equivalent to AS levels. Both A and AS levels have been assessed by UBC and it was determined that they satisfy Grade 12 requirements in the subject area covered. In order to be consistent in our practices, both H2 and H1 subjects should be posted in the high school record (within the SISC) as Grade 12 level courses. H3 level academic subjects should also be posted as Grade 12 subjects but, as with H2's, would be considered for Advanced Standing. This is also consistent with our practice for other advanced secondary curricula from around the world.

Advanced Standing in the SISC

As is the current practice with advanced secondary curricula (e.g. International and French Baccalaureate, British A-levels, and Advanced Placement courses) Singapore H2 and H3 courses should be considered for advanced credit or placement as appropriate. The minimum grade required for credit should line up with requirements for the British system (i.e. a minimum grade of B or higher), given that these systems are considered to be comparable. Key H2 and H3 level courses that have already been established could be pre-articulated by the UBC Faculties for 1st year credit, perhaps in the Summer of 2007, in anticipation of the applications for 2008 entry. The Admissions Office would be please to coordinate this articulation with the various academic departments as was recently done with the review of IB, AP and A-level credit.



Calendar Change Proposal Form

<p>Approval Date: May 3, 2006</p> <p>Effective Session: To be implemented with the 2007 applicant pool for 2008 entry.</p> <p>Year for change: For immediate publication (advising purposes)</p>	<p>Date: April 20, 2006</p> <p>Contact Person: Rosalie Vlaar, Assistant Registrar, Undergraduate Admissions</p> <p>Phone: 604-822-4240</p> <p>Email: rosalie.vlaar@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>Please add a new bullet (noted below in bold) at the end of the existing list which begins as follows ...</p> <p><i>Applicants from a Secondary School outside Canada</i></p> <p>The following list outlines the minimum standing for admission in terms of educational credentials. All students must present prerequisites appropriate for their intended program of study.</p> <ul style="list-style-type: none"> ▪ General Certificate of Secondary Education (GCSE) or General Certificate of Education (GCE), with standing in at least five subject areas, including English, with three at the Advanced Level. ▪ [...] ▪ Singapore (completion in 2008 and onwards): Applicants must present evidence of completion of the new curriculum. Admission will be based on at least five examinations in content-based subjects, including English, with three at the H2 level and two at the H1 level. <p>Because of the differences [...]</p> <p>Applicants presenting appropriate subjects with high academic achievement on the Advanced Level (GCE), Singapore H2 and H3 Level, Principal Level (HSC), Higher Level (IB), or Advanced Placement will, where appropriate, be considered for advanced credit or placement.</p>	<p>Current URL from Web Calendar:</p> <p>Vancouver: http://students.ubc.ca/calendar/index.cfm?tree=2,24,0,0</p> <p>Present Calendar Entry:</p> <p><i>Applicants from a Secondary School outside Canada</i></p> <p>The following list outlines the minimum standing for admission in terms of educational credentials. All students must present prerequisites appropriate for their intended program of study.</p> <ul style="list-style-type: none"> ▪ General Certificate of Secondary Education (GCSE) or General Certificate of Education (GCE), with standing in at least five subject areas, including English, with three at the Advanced Level. ▪ [...] <p>Because of the differences [...]</p> <p>Applicants presenting appropriate subjects with high academic achievement on the Advanced Level (GCE), Principal Level (HSC), Higher Level (IB), or Advanced Placement will, where appropriate, be considered for advanced credit or placement.</p> <p>Type of Action: Include reference to the new Singapore secondary school curriculum.</p> <p>Rationale: UBC recruits a number of</p>



	<p>international students from Singapore every year. Beginning in 2006, a new curriculum will be in place. The first graduates will be applying to UBC for admission in the 2008/09 academic year. In order to advise them appropriately, the calendar should reflect what we will be requiring of this new curriculum.</p> <p>An overview of the new Singapore curriculum, the admission requirements of Singapore universities, and the details of this recommendation has been provided by Undergraduate Admissions and is attached for your reference.</p>
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THE UNIVERSITY OF BRITISH COLUMBIA



midwifery at ubc

May 25, 2023

TO: Senate Admissions Committee

FROM: Deborah Stiles, Program Administrator

RE: Change to Midwifery Admissions Policy

Rationale:

After 3 years of experience, Faculty has determined that the date for admissions needs to be moved forward in order to allow enough time to evaluate applications; conduct interviews; and subsequently make offers early enough to compete with the other institutions in Canada.

As this would require a change in the calendar, we would request that the Senate Committee grant us approval to change the cut-off date for admissions. The cut-off date for applications in 2006-07 would be January 15, 2007.

Being a new program, Midwifery to date has not published explicit calendar information regarding immunization requirements. As a result, the Program has been having difficulties with students meeting Faculty of Medicine immunization requirements. We thus would like to add to the calendar Faculty of Medicine's immunization requirements. The language has been slightly modified for our calendar.

In addition, we would like to include in the calendar information regarding disability services and support. We thus would like to add to the calendar Faculty of Medicine's policy on Academic Accommodation for Students with Disabilities. The language has been slightly modified for our calendar.

Currently the Program receives over 100 applications for 10 possible seats. Midwifery is a new profession in British Columbia and is being supported heavily by local preceptors (clinical faculty) who will need to be replaced in the next decade. This

presents an urgent need to increase membership in the profession with graduates who are intending to practice in British Columbia after graduation. Thus, the Program feels an obligation to give preference to residents of British Columbia, Canadian citizens and permanent residents of Canada.

Calendar Changes

With the approval of Senate, the following are the proposed changes to the calendar:

<http://students.ubc.ca/calendar/index.cfm?tree=12,209,493,1287>

“All inquiries relating to admission to first year of the Midwifery Program should be addressed to Enrolment Services.

The last day of submission of applications for admission to the Bachelor of Midwifery Program for the winter session beginning the following September is December 1st, with supplementary documents (see [Supplemental Requirements](#)) to be received at the Midwifery Program office by January 15th. Official transcripts are to be received by Enrolment Services with the University application or as soon as possible after the application deadline. The final day for acceptance of final transcripts is June 30.

Supplemental Requirements

Applicants for admission must submit the following supplemental admission documents (Supplemental Application Package) to the Midwifery Program by January 15th. Supplemental Application Package documents can be downloaded from the Midwifery website.

- Supplemental application form (form provided in the supplemental application package).
- Two letters of reference (form provided in the supplemental application package). It is recommended that one referee be a teacher, instructor, employer or supervisor;
- A current resumé (form provided in the supplemental application package);
- A written personal statement about the applicant's reasons for requesting admission to the Midwifery Program and understanding of the profession of midwifery (form provided in the supplemental application package);
- Transcripts from all academic institutions previously attended or currently attending, including interim transcripts if applicable;
- Supplemental application processing fee. A processing fee must accompany the supplemental application package when submitted to the Midwifery Program (see website for details). This fee is non-refundable and should be made payable to the University of British Columbia, Division of Midwifery. Applications will not be processed unless the fee is received.

Incomplete applications will not be considered.

At present, because of the small numbers of students who can be accepted into the Program, preference is given to residents of British Columbia, Canadian citizens and permanent residents of Canada.

Post-Acceptance Requirements

Upon acceptance each student will receive a letter asking them to confirm their seat in the program. They will sign a form which acknowledges their understanding that they will need to relocate for one or more terms in order to fulfill clinical requirements.

Upon acceptance, each student must submit to the Student Health Service evidence of immunizations (Tetanus/Diphtheria-Toxoid, Polio, MMR) and a negative TB skin test (if the skin test is positive, a chest x-ray is required).

Undergraduate midwifery students without immunity to Hepatitis B are at risk for infection. Students who are Hepatitis B antigen positive may pose a risk of passing infection to others. All students are strongly encouraged to know their serological status for Hepatitis B prior to applying to the midwifery program. Students are advised that undergraduate midwifery students who test positive for Hepatitis B antigen may face certain restrictions in the course of their midwifery training and may be constrained in their ability to practice.

All undergraduate students admitted to the Division of Midwifery in the Faculty of Medicine at UBC will have their vaccination records reviewed to determine their risk for communicable diseases. Undergraduate midwifery students who have not been vaccinated against Hepatitis B will be required to complete a vaccination series, unless they demonstrate they are Hepatitis B surface antigen positive. Sero-conversion will be tested in all midwifery students either upon entry if they have received prior vaccination, or upon completion of a vaccination series.

Undergraduate midwifery students who continue to fail to sero-convert will be tested for the presence of Hepatitis B antigen by the Student Health Service. Students who demonstrate Hepatitis B infectivity may be required to complete a modified course of training and may pursue their studies only as long as their continued involvement does not pose a health or safety hazard to themselves or others and as long as they are able to meet the core requirements for a midwifery degree at UBC.

Counselling resources are available to any undergraduate midwifery student identified as Hepatitis B positive

Applicants with Disabilities

Applicants to the Division of Midwifery with disabilities will be considered in accordance with UBC's policy on Academic Accommodation for Students with Disabilities. This policy does not eliminate the need for evaluation or the need to meet essential learning outcomes. Students seeking academic accommodation due to disability must:

- Provide the necessary documentation to the Disability Resource Centre (the University does not provide or assume the cost of diagnostic services), and
- Bring the request for academic accommodation or for changes in accommodation needs to the attention of the appropriate personnel in a timely manner in order to allow for arrangement of accommodations.

Students with disabilities are encouraged to pursue their studies as long as their continued involvement does not pose a health or safety hazard to themselves or others, and as long as they are able to meet the core requirements for a Bachelor of Midwifery Degree. The Division of Midwifery will make every reasonable effort to ensure that any modified course of training will meet professional licensing requirements. However, licensing requirements and decisions are within the sole jurisdiction of the College of Midwives of British Columbia.

For more information please contact the UBC Disability Resource Centre at 604-822-5844 or visit the [website](#)."



<p>Proposed Calendar Entry:</p> <p>Promotion Requirements</p> <p>Promotion to Second Year Successful completion of 24 or more credits which must include all 1st year HKIN Core courses.</p> <p>Promotion to Third Year Successful completion of 48 or more credits which must include English 112 and all 2nd year HKIN core courses.¹</p> <p>Promotion to Fourth Year Successful completion of 78 or more appropriate credits which must include all 3rd year requirements.²</p> <p>¹ In order to obtain 3rd year standing in Kinesiology and Health Science, students must complete 12 credits of first year Science in their first two years in at least three of the following four areas: Biology, Chemistry, Mathematics and Physics.</p> <p>² In order to obtain 4th year standing in Physical and Health Education, students must complete 6 credits of HKIN 115 and 6 credits of HKIN 215.</p>	<p>URL: http://students.ubc.ca/calendar/index.cfm?tree=12,205,352,316</p> <p>Present Calendar Entry: There is presently no entry in the Calendar.</p> <p>Type of Action: Insert entry for Promotion Requirements in the Calendar.</p> <p>Rationale: The School of Human Kinetics currently has no information on Promotion Requirements in its section of the Calendar. Thus, the School would like to include the proposed Calendar entry.</p>
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Calendar Change Proposal Form UBC and UBC Okanagan

<p>Approval Date for Vancouver: April 12, 2006</p> <p>Approval Date for Okanagan:</p> <p>Effective Session: To be implemented with the 2007 applicant pool</p> <p>Year for change: For immediate publication (advising purposes)</p>	<p>Date: April 7, 2006</p> <p>Contact Person: Rosalie Vlaar, Assistant Registrar, Undergraduate Admissions</p> <p>Phone: 604-822-4240</p> <p>Email: rosalie.vlaar@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u><i>Applicants from a College or University</i></u> > General Admission Requirement</p> <p>The minimum academic standing to qualify for admission to the University as a transfer student is successful completion of 24 transferable credits with a 'C' average (60% where 50% is a passing grade), or grade point average of 2.0 (calculated on a 4-point scale: A+=4.33, A=4.0, A-=3.67, B+=3.33, B=3, B-=2.67, C+=2.33, C=2, C-=1.67, D+=1.33, D=1, D-=0.67, F=0). Applicants presenting fewer than 24 credits are evaluated on the basis of both final secondary school grades and the partial post-secondary studies completed.</p> <p>For applicants presenting more than 24 transferable credits, the admission average is based on the average of the most recently completed transferable credits (to a maximum of 30 credits) of college or university courses attempted, including failures and repeated courses, unless otherwise prescribed by the program to which admission is sought. In cases where counting back 30 credits lands in the middle of an academic term, the academic average of that term will be used for the remaining required credits to reach the total of 30.</p> <p>In the case of applicants with more than 60 credits of prior study, the admission average is calculated on the basis of the most recently completed 60 credits.</p> <p>Because of enrolment limitations, some programs may require a higher average for admission than the University minimum, and may require a minimum standing in specified courses. Applicants should consult the relevant faculty or school entry for a statement of</p>	<p>Current URL from Web Calendar:</p> <p>Vancouver: http://students.ubc.ca/calendar/index.cfm?tree=2,25,73,0</p> <p>Okanagan: http://okanagan.students.ubc.ca/calendar/index.cfm?tree=2,25,73,0</p> <p>Present Calendar Entry:</p> <p><u><i>Applicants from a College or University</i></u> > General Admission Requirement</p> <p>The minimum academic standing to qualify for admission to the University as a transfer student is successful completion of 24 transferable credits with a 'C' average (60% where 50% is a passing grade), or grade point average of 2.0 (calculated on a 4-point scale: A+=4.33, A=4.0, A-=3.67, B+=3.33, B=3, B-=2.67, C+=2.33, C=2, C-=1.67, D+=1.33, D=1, D-=0.67, F=0). Applicants presenting fewer than 24 credits are evaluated on the basis of both final secondary school grades and the partial post-secondary studies completed. Unless otherwise prescribed by the program to which admission is sought, academic standing is based on the average on all college or university courses attempted, including failures and repeated courses. In the case of applicants with more than 60 credits of prior study, the admission average is calculated on the basis of the most recently completed 60 credits.</p> <p>Because of enrolment limitations, some programs may require a higher average for admission than the University minimum, and may require a minimum standing in specified courses. Applicants should consult the relevant</p>



THE UNIVERSITY OF BRITISH COLUMBIA

admission requirements for the program to which they seek admission. To be eligible for second year, applicants must normally have successfully completed 30 credits, and satisfied all promotion requirements for advancement to that year. Applicants to third year must have successfully completed 54 to 60 credits, and satisfied all promotion requirements for advancement to that year.

faculty or school entry for a statement of admission requirements for the program to which they seek admission. To be eligible for second year, applicants must normally have successfully completed 30 credits, and satisfied all promotion requirements for advancement to that year. Applicants to third year must have successfully completed 54 to 60 credits, and satisfied all promotion requirements for advancement to that year.

Type of Action: Reduce the maximum number of credits to be used in an admission average for transfer applicants from 60 to 30.

Rationale:

1. The last 30 credits, most recent full-year equivalent of academic performance, is a more accurate indicator of a student's ability to perform at UBC.
2. When 60 credits are included in the admission average, applicants who have had a poor first year are typically inadmissible due to their cumulative average remaining below the minimum even after a strong second year. Many applicants who had poor performance in first year (often due to maturity issues and adjusting to a different system with different expectations) turn their performance around in second year; however, their first year performance continues to hinder their ability to transfer as UBC includes it in their admission average. In this way, a very poor first year often requires two additional years to overcome (so that the 1st year performance is not included in the UBC admission average). It should be noted that appeals from students refused for being in this situation in past (i.e. strong average in most recent year, poor average in the year prior) have been approved for admission.



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Guidelines for the Use of Third Party Recruiters by Graduate and Post-Baccalaureate Programs Developed by a Subcommittee of the Senate Admissions Committee

Subcommittee Members:

Dr. Barbara Arneil, Associate Professor, Political Science
Dr. James Berger (Chair), Associate Head/Professor, Zoology
Mr. Mark Crosbie, Legal Counsel, Office of the University Counsel
Dr. Tim Durance, Professor and Director of Food, Nutrition and Health, Faculty of Land and Food Systems
Dr. Michael MacEntee, Professor, Dentistry
Mr. Brian Silzer, Associate Vice-President and Registrar, Enrolment Services
Dr. Don Wehrung, Executive Director, International Student Initiative and Professor, Sauder School of Business

Summary:

The subcommittee received its charge from the Senate: to investigate third party recruiting, develop a recommendation on the use of third part recruiters, and provide guidelines for the use of third party recruiters at UBC.

The subcommittee met monthly during January, February and March, 2006. Input was requested from Dr. Craig Klafter, Associate Vice President, International, and Ms. Jenny Phelps, Director, Student Academic Services, Faculty of Graduate Studies.

Three options were initially discussed:

- a) UBC should not employ third-party agents (for degree programs)
- b) UBC may employ third-party agents (for degree programs), with constraints
- c) UBC should invest in opening offices on the ground in a desired market area.

In the course of their deliberations, the subcommittee decided to reject option “a” on the grounds that third party recruiting can be a useful and efficient tool in the internationalization of the campus.

Option “c” was rejected as well, on the grounds that UBC does not have the resources (human, legal, or financial) to invest in opening offices across the world.

The subcommittee recommends option “b” above. It was felt that the use of third party recruiters for degree programs could be explored on a program-by-program basis as long as consideration was given to the challenges of this type of business relationship with outside parties.

Guidelines were developed with the following goals in mind:

- to protect and promote UBC’s reputation worldwide,
- to minimize foreseeable risks in dealing with third party recruiters,
- to protect any individual degree program from becoming dependent on an individual recruiter for its viability,
- and, to protect students from unscrupulous recruiting practices.

The subcommittee’s guiding principle was the definition of UBC’s relationship with the recruiting agency. The recruiting agency’s role is to

- introduce UBC programs to interested students,
- advise students of UBC’s acceptance criteria,
- arrange contact between UBC staff and the potential applicants.

The guidelines below were developed with that definition in mind.

MOTION: The Admissions Committee recommends that Senate approve the guidelines for third party recruiting for UBC Graduate and Post-baccalaureate degree programs as circulated.

Respectfully submitted,

James D. Berger
Chair
Admissions Committee

Guidelines for Third Party Recruiting for UBC Graduate and Post-baccalaureate Degree Programs

Section I

General Criteria for Choice of a Recruiting Agency

- The agency should normally have a history of providing similar services to other universities for five years or more, to the satisfaction of the client universities. The agency will be required to disclose its other educational institution clients at the time of signing any recruiting contract and as other educational institution clients are acquired during the contract period. Experience with Canadian universities is particularly useful.
- The agency should be able to demonstrate capacity to successfully provide the services we require.
- Preference should be given to agencies that are incorporated in North America so they are accessible through North American legal channels if that should become necessary.

Section II

Essential Considerations for the Contract with the Recruiting Agency

- Payment for Services:
 - Recruiting agencies should only be paid on the basis of students registered at UBC, not applicants or even applicants admitted by UBC. That way, there is no incentive for the recruiter to put forward unqualified applicants and UBC has plenty of time to check the credentials of applicants UBC admits.
 - Ensure that commissions/fees paid by the university to the agency are reasonable and tied to real deliverables for the university and for individual clients.
 - Ensure that fees paid by students to a recruiting agency are reasonable and tied to real deliverables. Full disclosure of what fees the agent charges students and for what services should be a requirement of any agreement.
- The Admissions Decision: All admission decisions must be entirely in the hands of UBC such that:
 - Essential documents upon which admission is based such as TOFEL certificates, transcripts, reference letters, etc. come directly into UBC hands from the issuing agency or institution, and don't pass through the recruiter.

- Students always maintain the option of applying directly to UBC if they are not able, or do not wish to use the recruiter.
- Admission decisions are made by UBC according to UBC criteria.
- UBC communicates acceptance directly to the student, and to the agent (with the applicant's permission) following UBC guidelines for the release of information to a third party.
- **Exclusivity of Contract:** Normally, no agency should be contracted as 'an exclusive agent' in any given country with respect to recruitment of students into a degree program. And measures should be taken to ensure that they do not represent themselves as having such an exclusive arrangement to international students.
- **Limited-Time Contacts:** Any contract signed with a recruiting agency will be for a defined and limited time and will include provisions for review so that either party may withdraw if it doesn't work out.
- **Program-Specific Contracts:** Recruitment contracts should be negotiated individually for individual UBC programs. Contracts should specify which UBC academic programs and applicant groups are covered by the agreement.

Section III

Due Diligence

As with all contracts that UBC enters into, agreements with recruiting agencies must be negotiated and vetted through the UBC Office of the University Counsel. Due diligence should be done on the agency at the time of negotiating the contract by the Dean's Office having responsibility for the unit that is negotiating the contract and would include:

- Legal due diligence in cooperation with the UBC Office of the University Counsel
- Background research on the principals of the recruiting agency to ensure that agents are *bona fide* and reputable organizations including:
 - interviews with current and past employers and current and past clients of the agency (other universities as well as international students that have used it)
 - consultations with Canadian diplomatic personnel (political officers and immigration officers), and Canadian Business Bureaus abroad, and Canadian Education Centre Network personnel in the country in question regarding the reputation/reliability of both the agency and its agents on the ground.

Section IV

University Trademarks

All use of UBC trademarks must be pre-approved in each instance through the UBC Office of the University Counsel. The university must undertake a continuing oversight of the agency, including all of its marketing material to ensure that UBC is being represented appropriately.

Section V

UBC Degree Program Sustainability

The degree program for which the agency is used must be self-sustaining and should *not* be financially dependent upon the students recruited by the agency. Thus the maximum percentage of students in any single degree program recruited by an agency should be 50% averaged over a period of four years.

Section VI

Management of Contractual Obligations

The university, including the unit of the university that has signed the contract, is responsible for the ongoing management of all aspects of the contractual obligations in order to insure, as far as reasonably possible, that the objectives laid out at the beginning of this document are met (protection and promotion of UBC's reputation worldwide, the independence of the degree program, and protection of students from unscrupulous recruiting practices) and that the agency fulfills the specific contractual obligations.

As part of program management, annual reporting obligations could be established between the Dean's Office of the department or unit engaged in a contract with an agent to report on those agreements, noting any issues or concerns, noting the length of time remaining on the contract, and numbers of enrolled students.

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Report to Senate
Senate Admissions Committee (SAC)
Subcommittee on UBC Recognition of Non-Association of Universities and Colleges of
Canada (AUCC) Institutions

Charge: On January 25, 2006, the Senate gave the following charge,

“That the Vancouver Senate refer to the Admissions Committee the issue of the relationship between AUCC membership and the recognition of degrees and coursework for purposes of admissions and transfer credit; and

That the Committee be directed to report to the Vancouver Senate on this matter no later than May 2006.”

Subcommittee Members:

James Berger, SAC and Subcommittee Chair, Professor, Department of Zoology
John Cooper, Associate Dean, Faculty of Arts
Paul Harrison, Associate Dean, Faculty of Science
Denise Lauritano, Associate Director, Undergraduate Admissions
Margaret Murphy, Undergraduate Admissions (scribe)

Summary:

The subcommittee met once in March and once in April to review university policy on non-AUCC institutions and admissions practices. The subcommittee received input from Anna Kindler, Associate Vice President, Academic Programs. The subcommittee reported to the Senate Admissions Committee on May 3, 2006. Two topics were reviewed:

- Recognition of Non-AUCC Institutions in the UBC Undergraduate Admissions Process
- Recognition of the joint Bachelor's degree (honours) in Biotechnology, offered by UBC and BCIT

Recommendations:

1. Regarding Recognition of Non-AUCC Institutions in the UBC Undergraduate Admissions Process

The subcommittee reviewed the current Calendar language regarding applicants from a college or university (2005-2006 Calendar, page 24, column 3) that states:

“Applicants with prior credit from a **recognized** university or college will be admitted on satisfaction of the appropriate admission requirement as outlined below.”

The subcommittee found this wording to be appropriate because it allowed the University to determine whether or not it would recognize a particular institution (from anywhere in the world) for admission purposes. The wording does not compel the University to consider AUCC membership or any other particular criteria in its recognition process.

2. Regarding Recognition of the joint Bachelor’s degree (honours) in Biotechnology, offered by UBC and BCIT by other institutions

- To better inform other institutions to which graduates of the Honours Biotechnology program may be applying other degrees, the subcommittee **recommends that the directors of the joint program develop web sites for BCIT and for UBC that explain in detail the unique status of the program.** The web site could include references to the program’s approval process and strict scrutiny through the Senate and several of its committees, and references to the significant role of BCIT in technical education in the province.
- If problems persist with recognition of the degree, students/graduates should be directed to put the Biotechnology program in direct contact with the institution in question, to further explain the details of the program and its recognition within BC.

Motion: That Senate accept the recommendations of the Admissions Committee regarding non-AUCC institutions and recognition of the joint UBC and BCIT Biotechnology degree.

Respectfully submitted,

James D. Berger, Chair
Admissions Committee



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Report to Senate

Senate Committee on Appeals on Academic Standing

May, 2006

Senate has delegated to the *Senate Committee on Appeals on Academic Standing* the authority to hear and dispose of appeals from students from decisions of Faculties on matters of Academic standing. The Committee shall allow an appeal where it is decided that the decision of the Faculty was arrived at through improper or unfair procedures, and that as a result, a wrong decision on the merits has or may have been arrived at; however, the Committee has no jurisdiction where the sole question raised in an appeal turns on the exercise of academic judgment by a Faculty. The decision of the Committee on an appeal is final (reference: *UBC Calendar, Academic Regulations, page 53*).

Since last May, 2005, the Committee has heard five appeals; two of which were allowed and three of which were denied.

Two Appeals Allowed:

1. The student appealed a failing grade and requested academic concession in light of the unexpected news of the medical condition of a parent and the immediate need to visit the parent. The appeal was allowed in that the Committee held that the Faculty erred in their analysis of the information presented by the student in support of the request, and failed to consider all the proper information. The student was to be provided with a supplemental examination in the course.
2. The student appealed a grade of 0% on the basis that the student's online exam was submitted late. The student encountered problems emailing the exam to the instructor, compounded by miscommunication in subsequent attempts to correct the problem with the Instructor. The Committee held that the Faculty erred in their analysis of the information and did not consider all proper information. The student's exam was to be accepted and marked.

Three Appeals Denied:

1. The student appealed a failed standing in two courses based upon the Faculty's refusal to grant academic concession for illness and disability in connection with course assignments and examinations. The Committee held that the student had been treated fairly and in accordance with published rules and procedures and had been provided with the required accommodation, and thus dismissed the appeal.
2. The student appealed an F standing in two courses. The student did not attend summer session classes due to an injury and requested a late withdrawal. The Committee held that the Faculty decision was arrived at through proper procedures and dismissed the appeal.
3. The student appealed the requirement to withdraw from the Faculty on the basis of failed courses. The student felt that proper accommodation had not been provided and requested advancement on an aegrotat basis. The Committee held that the Faculty followed proper and fair procedures and dismissed the appeal.

General Observations

The Committee continues to draw to the attention of faculty and departments the importance of following due process in all matters relating to student assessment, promotion and appeal; of maintaining scrupulous records of course requirements, grade schemes, and student performance; as well as drawing such regulations and requirements to the attention of students.

More specifically, cases have come before the Committee that display, to varying degrees, cultural dimensions. Given that UBC has invested in providing support and resources for its international students and new immigrant students to Canada, we contemplated:

1. What are the specific resources available to help prevent such cases, and international and immigrant students falling between the cracks?
2. How is this information disseminated to department heads, faculty members, departmental student advisors, and faculty members?
3. What 'training' is available to faculty members regarding identifying students at risk?
4. How is this information and related resources publicized to target student populations?
5. And, perhaps most importantly, although student support services can be identified through web sites and listings, to what degree have 'cultural blocks and barriers to seeking out help and support', been addressed?

For example, while seeking help in mainstream Canadian culture is encouraged, such services are unfamiliar in many cultures and may be viewed as a sign of weakness, which

may constitute another cultural barrier to taking full advantage of the many resources and services available at UBC for international students and students from immigrant families.

We would recommend this process be reviewed - specifically the mechanisms for interfacing the support services for international students and the target group, and the degree to which this is culturally appropriate and sensitive. The goal will be to ensure access and use be encouraged and taken full advantage of, and lead to a long-term prevention strategy.

For the Committee,
Respectfully Submitted,

Ronald Yaworsky
Chair

Committee Members, 2006:

Prof. Christine Boyle
Dr. Elizabeth Dean
Dr. Ian M. Franks
Dr. Christopher R. Friedrichs
Dr. Lee Gunderson
Mr. William McNulty
Dr. Daniel M. Weary
Mr. Bijan Ahmadian (student)
Mr. Birinder Aujla (student)
Ms. Elizabeth Segal (student)
Dr. Ronald A. Yaworsky (chair)



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To: Senate, UBC Vancouver

From: Interim Senate Budget Committee

2005–2006 Interim Senate Budget Committee Report

May 2006

I. Administrative Matters

1. Replacement of the Senate Budget Committee

Changes to British Columbia's University Act associated with establishing the UBC Okanagan campus in 2005 had several implications for UBC's academic governance. In particular, changes to the Act created a "Council of Senates" and mandated that the role of the Senate Budget Committee (SBC) be taken over by a standing committee of the Council of Senates. Therefore, as of the end of the 2004-05 academic year, the Budget Committee of the UBC Vancouver Senate ceased to exist.

2. Transition

In the transitional period before the committees of the Council of Senates could become operational, the traditional role of the SBC has been carried out by a committee referred to as the "Interim Senate Budget Committee" (ISBC). This Committee has a slightly reduced membership (relative to the SBC) from UBC Vancouver and includes two members from UBC Okanagan. This committee was to continue to operate until the budget committee of the Council of Senates was ready to begin its operations.

As of May 2006, the Council of Senates budget committee is almost ready to assume its operational role. The ISBC should therefore cease to exist and have its responsibilities taken over by the Council of Senates budget committee by the beginning of the 2006-07 academic year.

3. Mandate

The mandate of the ISBC is

- i) to meet with the president and to assist in the preparation of the University budget,
- ii) to make recommendations to the president concerning academic planning and priorities as they relate to the preparation of the University budget, and
- iii) to report to Senate regarding budgetary matters affecting academic planning and priorities.

4. Operations of the Council of Senates Budget Committee

The Council of Senates and its budget committee (hereafter referred to simply as the "budget committee") will need to determine appropriate operating procedures, subject to the mandate specified in the University Act. However, the ISBC has dealt with some of the issues that will arise and therefore has some comments regarding the budget committee.

One important point is that many financial issues that might be considered by the budget committee will relate primarily or entirely to one particular campus: either to UBC Okanagan or to UBC Vancouver. In particular, the budget committee will have an obligation to consider the financial implications of new programs, new academic units and similar matters. Typically, these programs or units will be associated with just one campus.

The ISBC suggests that it would be helpful for the budget committee to contain two subcommittees, one for each campus. Each subcommittee would deal with financial issues confined to its particular campus. Furthermore, it would be reasonable for the members of each subcommittee to be predominantly or entirely from the associated campus. The committee as a whole would deal primarily with system-wide issues. Such an approach would streamline the operations of the budget committee and would avoid the potential problem of members of one campus being drawn excessively into decision-making at the other campus. This subcommittee structure would support the objective of decentralized (i.e. local) decision-making within the overall UBC system.

Although budget oversight responsibility has been largely taken from the purview of campus-specific Senates and reassigned to the Council of Senates, it is still the case that each Senate will require some information regarding financial implications of various academic matters. Furthermore, while the Senates do not have decision-making authority over budgetary matters, their input on financial implications of academic decisions and on academic implications of financial decisions is important. Accordingly, each subcommittee of the budget committee should take on the role of reporting to and receiving input from the Senate of its designated campus.

Having two campuses separated by significant distance greatly complicates the logistics of budget committee operations. It is costly and difficult to get committee members from both campuses together in a single location. Accordingly, full face-to-face meetings should perhaps be relatively infrequent. However, video-conference meetings provide an effective and cost-efficient alternative method of conducting meetings. A reliable facility for video-conferences should be made available. Telephone conferences are rarely adequate for a full-scale meeting. However, small subgroups would be expected to make significant use of teleconferences.

II. Matters Related to Student Finances

In the 2005-06 academic year, the ISBC considered three specific topics relevant to student finances as described in the following paragraphs.

5. Student Financial Support

The ISBC received and discussed a report on student financial aid. The allocation of student aid, the level of student aid, and the potential demand for student aid were all considered. There was also considerable discussion of the appropriate role of the University and provincial and federal governments in dealing with student aid. The ISBC notes, for example, that the May 2006 federal budget contains significant tax relief for recipients of bursary and related awards and is very cognizant of the efforts of the President in promoting financial support for students at both federal and provincial levels of government.

6. Impact of Tuition Fee Increases on Enrolment Patterns

The ISBC received and discussed a report on the effect of tuition fee increases on student demographics. The ISBC was particularly interested in whether recent tuition fee increases had reduced participation by students from low-income families.

It appears that tuition fee increases have had little if any impact on the relative participation of low-income students. Both before and after the tuition fee increases students from high income households had significantly higher participation rates than students from low income households. UBC appears similar to Canada as a whole¹ in this respect.

In seeking to explain the apparent lack of any effect of tuition fees increases on student demographics it was suggested that tuition fees remain only a modest part of a student's overall cost of higher education. Therefore, tuition fee increases, significant as they were, represented only a modest increase in students' overall costs. It was also pointed out that by far the most important constraint on attendance at UBC Vancouver is the very high academic performance required for admission. Therefore, participation at UBC is determined largely by academic performance in high school (and colleges) rather than by financial issues related to tuition fees.

If anything, the lowest income students have experienced a slight increase in relative participation as tuition fees have risen. One suggested explanation is that the increased financial aid that has accompanied tuition fee increases has helped low income students in relative terms. All groups of students pay more, but financial aid formulas imply that increased financial aid flows largely to low income students.

7. Ph.D. Tuition Waivers

UBC's recently instituted policy of universal tuition waivers for Ph.D. students has raised a variety of financial and academic concerns. The ISBC received a very helpful report on Ph.D. tuition waivers and engaged in a spirited discussion of the issue. The ISBC concluded that the general issues surrounding Ph.D. support and recruitment are fundamental to UBC's role as a major research university and warrant the attention of Senate as a whole at this time. Accordingly the ISBC

¹ Examination of the available evidence indicates that, as of the early years of the 21st century, young adults (aged 18 to 24) from families with incomes exceeding \$100,000 have approximately twice the university participation rate of young adults from families with incomes of less than \$50,000. Young adults from families with intermediate incomes had intermediate participation rates.

recommended to the Agenda Committee of Senate that Ph.D. funding and recruitment be addressed in a session devoted entirely to this topic.

III. Other Matters

8. UBC Okanagan Capital Plan

The ISBC received a report on the Capital Plan for UBC Okanagan. The Committee noted that the plan is aggressive as far as timing is concerned. Also, while a financial plan has been carefully developed, significant additional effort will be required to get full funding in place. On the other hand, the Committee was informed that any delays in building key infrastructure would be a major problem for the students and faculty at UBC Okanagan.

The Committee was assured that the finances of UBC Okanagan and UBC Vancouver are distinct and that financial challenges at either campus will not "spill over" to the other.

9. Operating Budgets at UBC Okanagan and UBC Vancouver

The ISBC spent considerable time receiving information about and discussing operating budgets at both UBC-O and UBC-V. The operating budget at UBC-O is relatively straightforward and does not present major problems at present. The operating budget at UBC-V has presented a greater challenge. Total revenues flowing into UBC-V have increased substantially in recent years but financial responsibilities and commitments have risen commensurately or more than commensurately. These increasing responsibilities include, but are not restricted to, those arising from increased student numbers.

The provincial government has agreed to explicitly fund approved salary settlements and the federal government has apparently agreed to increase support for indirect costs. These are both very positive developments. However, cost increases associated with non-salary operating costs (including energy costs) are not explicitly covered by any specific source of revenue. Limitations on tuition fee increases determined by the provincial government imply that tuition fee increases cannot be used to fully cover such costs. This implies that "savings" must be found somewhere within the university budget to cover these cost increases.

Some of the key facts are as follows.

- i) The operating budgets for UBC-O and UBC-V are approximately \$56 million and \$591 million respectively. Thus UBC-V is slightly more than 10 times as large as UBC-O on a financial basis. The consolidated budget is therefore approximately \$647 million. This is an increase of approximately \$90 million or 14% over the previous year.
- ii) UBC-O is fully funded at the operational level, implying that it has no planned budget deficit. UBC-V has a current shortfall for 2006-07 of \$23 million. The current plan is that \$7 million will be covered by an across the board cut to academic units, \$5 million will be found in other savings, and \$11 million will be carried over as a deficit to be solved in future years. The University continues to

negotiate with the provincial government and to interact with the federal government in an effort to obtain additional revenues to reduce this shortfall.

iii) Major financial contingencies to watch at UBC-O include the risk of not reaching target levels for student ("FTE") enrollment and the escalation of construction costs. Both student shortfalls and construction cost over-runs are very significant risk factors. In addition, the cost of recruiting faculty at the appropriate quality level might rise above initial expectations.

iv) At UBC-V, major issues include how indirect costs will be handled at the federal level and the future of tuition fee increases. These issues also affect UBC-O but they are particularly important for UBC-V at present.

There was also some discussion (with no explicit conclusion) of whether the University central administration should "tax" or "cut" academic units across the board to create budgetary room to fund new (or "renewed") academic initiatives on a discretionary basis. However, once it became clear that a cut would be likely simply to cover existing operations, discussion of an additional cut to fund discretionary spending did not go much further.

Finally, it should be noted that, although academic units will likely be cut, the net expenditure on academic units will rise once salary adjustments are taken into account. In effect, at UBC-V each unit will receive the increase needed to cover salary increases and this new base will then be cut to cover \$7 million of the \$23 million shortfall.

10. Budgetary Implications of Possible Graduate Studies Reorganization

The ISBC reviewed the budgetary implications of several new programs or other changes in academic structure. One particularly important change in academic structure relates to the possible reorganization of the Faculty of Graduate Studies.

At present the Faculty of Graduate Studies carries out two functions. As its name suggests, it provides services for and associated with graduate students. In addition it also serves as a home for several interdisciplinary academic units. The current proposal is to separate these two functions. Under this proposal, the Faculty of Graduate Studies would focus on graduate students and the functions related to interdisciplinary study would be coordinated under some alternative structure.

The mandate of the ISBC deals with budgetary implications rather than academic policy but the two things cannot be completely separated as a discussion of budgetary implications relies in part on assessments of the underlying academic value of the proposal under consideration. In this spirit, the ISBC is supportive of the separation on academic grounds. At this stage in the University's development there is no good reason for combining the management of interdisciplinary activity with providing services for graduate studies. Certainly the University is much larger and more complex than it was when this organizational structure first arose. This structure is hard to justify in today's environment.

One related consideration is that the Faculty of Graduate Studies carries out its interdisciplinary management function primarily by managing a set of centres and institutes. There has perhaps been a tendency to equate these particular centres and institutes with interdisciplinary activity and therefore

to not allow for full recognition of other forms of interdisciplinary activity on campus. One benefit of the proposed reorganization would be the opportunity to take a fresh look at the variety of interdisciplinary activities at UBC.

At the budgetary level, the ISBC notes that separating these two functions need not necessarily have any net cost. However, being realistic, it is rare that administrative reorganizations turn out to be cost-neutral (or cost saving). Still it is possible in principle to carry out the same functions that are currently being carried out in much the same way as before without requiring them both to be governed by the Dean of Graduate Studies. Possibly there might even be some efficiencies available.

The cost of the reorganization depends in large part on the specific structure adopted for coordinating interdisciplinary activity. The ISBC encourages the University to undertake a reorganization that is both effective and cost efficient. More specific proposals regarding the organizational structure for interdisciplinary studies will be forthcoming from the Provost's office and will be considered by Senate.

11. Budget Summary Book

The university administration has created a Budget Summary Book containing detailed budget information by VP and Faculty. The document contains budget details by fund, information on UBC capital projects, and background information on such aspects as government funding, tuition, enrolment, fundraising, investment income, etc. This project arose in part from requests by the SBC and from Senate more broadly for systematic information of this type. The ISBC is impressed by the outcome and commends the administration on this initiative.

12. Budget Submissions from Ancillary Units

The ISBC is scheduled to receive summary documents describing the operating budgets and business plans of the ancillary units, including Housing & Conferences, Athletics & Recreation, Bookstore, Food Services, Parking, etc.

IV. Concluding Remarks

In conclusion, the ISBC notes that dealing with the current President, Martha Piper, has been a very positive experience. She has brought a spirit of openness and cooperation to financial interactions with Senate that is both valuable and important. As she approaches the end of her time as President, we commend President Piper on her many accomplishments at UBC, both budgetary and otherwise, and we wish her well for the future.

It will be important for the new Council of Senates budget committee to establish an open and positive relationship with the new President and to establish operating procedures that will allow the new committee to effectively carry out its oversight and advisory role regarding financial decisions.

James Brander
Chair, Interim Senate Budget Committee
May 2006.

THE UNIVERSITY OF BRITISH COLUMBIA



May 4, 2006

Enrolment Services
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Memo to: Vancouver Senate

From: Academic Policy Committee, Admissions Committee and Curriculum Committee

Re: New degree program – Executive Master of Business Administration (EMBA)

The Academic Policy Committee, the Admissions Committee and the Curriculum Committee recommend:

That Senate approve the new degree name, the admission proposal and associated curriculum changes for the new degree program Executive Master of Business Administration(EMBA) as circulated.

Respectfully submitted,

Dr. Paul G. Harrison, Chair
Academic Policy Committee

Dr. James Berger, Chair
Admissions Committee

Dr. Peter L. Marshall, Chair
Curriculum Committee

THE UNIVERSITY OF BRITISH COLUMBIA



May 4, 2006

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Memo to: Vancouver Senate

From: Admissions Committee and Curriculum Committee

Re: Calendar changes - Dental Hygiene program

The Admissions Committee and the Curriculum Committee recommend:

That Senate approve the admissions proposal and associated program and course changes for the Entry-to-Practice Admission Option for the Dental Hygiene Degree program as listed.

Respectfully submitted,

Dr. James Berger, Chair
Admissions Committee

Dr. Peter L. Marshall, Chair
Curriculum Committee



UBC Curriculum Proposal Form
Change to Course or Program

Category: (1 or 2)

<p>Faculty: Dentistry Department: Dental Hygiene Faculty Approval Date: February 9, 2006</p> <p>Effective Session 07W Term 1 Year 1 for Change</p>	<p>Date: February 22, 2006 Contact Person: Prof. Bonnie Craig Phone: 604.822.4680 Email: bjccraig@interchange.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>The Faculty of Dentistry > Dental Hygiene Degree Program</p> <p>The Faculty of Dentistry offers a multiple admissions approach to the Dental Hygiene Degree Program. The four admission options or entry points include:</p> <ol style="list-style-type: none"> Entry-to-Practice Admission Option The Entry-to-Practice admission option, open to secondary school graduates and applicants with post-secondary education, is the entry point to full-time, four-year studies at UBC that includes development of the knowledge base and pre-clinical and clinical skills required to earn the BDS degree in Dental Hygiene and become a registered dental hygienist (RDH). Direct Entry Admission Option The Direct Entry admission option, open only to secondary school applicants with no more than six post-secondary university transferable credits, is the entry point to full-time, four-year studies through a partnership between UBC and Camosun College, the College of New Caledonia and Vancouver Community College dental hygiene programs that includes development of the knowledge base and pre-clinical and clinical skills required to earn the BDS degree in Dental Hygiene and become a registered dental hygienist (RDH). Dental Hygiene Degree Completion Admission Option The Dental Hygiene Degree Completion admission option, open to dental hygienists who are graduates of accredited North American Dental Hygiene diploma programs, is the entry point to full or part-time studies leading to the BDS degree in Dental Hygiene. International Dental Hygiene Degree Completion Admission Option The International Dental Hygiene Degree Completion admission option, open to dental hygienists who are graduates of non-North American Dental Hygiene programs, is the entry point to full or part-time studies leading to the BDS degree in Dental Hygiene. 	<p>URL: http://students.ubc.ca/calendar/index.cfm?tree=12,201,315,0 Present Calendar Entry:</p> <p>The Faculty of Dentistry > Bachelor of Dental Science in Dental Hygiene</p> <p>The Faculty of Dentistry offers three admission options to the Bachelor of Dental Science Program in Dental Hygiene:</p> <ol style="list-style-type: none"> Direct Entry Dental Hygiene Degree Completion; and International Dental Hygiene Degree Completion. <p>In the Direct Entry option, secondary school graduates can undertake a full-time, four-year program leading to the degree of Bachelor of Dental Science in Dental Hygiene (B.D.Sc.). Graduates of a dental hygiene diploma program from accredited North American programs can complete the Dental Hygiene Degree Completion option (Category A or Category B), either full-time or part-time, leading to the B.D.Sc. degree. Graduates from dental hygiene programs outside of North America may access the Program through the International Dental Hygiene Degree Completion option leading to the B.D.Sc. degree.</p> <p>Dental hygienists who have been awarded a baccalaureate degree and wish to undertake post-baccalaureate education in the field of Dentistry may apply to the Master of Science (Dental Science) Program as a full-time or part-time student. Qualified dental hygienists interested in pursuing a doctoral degree may apply to the Doctor of Philosophy (Oral Biology) Program. Study in the Ph.D. Program requires full-time attendance. See <i>Graduate Studies</i>.</p> <p>The possession of a Bachelor of Dental Science degree in Dental Hygiene does not automatically confer the right to practice dental hygiene in any province in Canada. Each province has a regulatory authority that grants the privilege to practice dental hygiene. For more information, contact the College of Dental Hygienists of BC (www.cdhibc.com).</p> <p>1. Direct Entry Option</p>



<p>Dental hygienists who have been awarded a baccalaureate degree and wish to undertake post-baccalaureate education in the field of Oral Health may apply to the Master of Science (Dental Science) Program as a full-time or part-time student. Qualified dental hygienists interested in pursuing a doctoral degree may apply to the Doctor of Philosophy (Oral Biology) Program. Study in the Ph.D. Program requires full-time attendance. See <i>Graduate Studies</i>.</p> <p>The possession of a Bachelor of Dental Science degree in Dental Hygiene does not automatically confer the right to practice dental hygiene in any province in Canada. Each province has a regulatory authority that grants the privilege to practice dental hygiene. For more information, contact the College of Dental Hygienists of BC (www.cdahbc.com).</p> <p>Admission</p> <p>Admission to the Dental Hygiene Degree Program via the Entry-to-Practice admission option is based upon academic performance and broad-based selection criteria. Among the factors considered in the application review are academic performance, demonstrated leadership skills, active participation in extracurricular activities, significant awards and achievements, a personal statement, and references.</p> <p>Information on application procedures and admission policies requirements for UBC (www.welcome.ubc.ca) and the Dental Hygiene Degree Program are specified in the chapter <i>Admissions</i>. All applicants must complete the Dental Hygiene Degree Program on-line supplemental application at the Dentistry website (secure.dentistry.ubc.ca/application/instructions.asp). Incomplete and late applications will not be accepted.</p> <p>The University will consider granting transfer credit for all transferable post-secondary courses completed. The number of credits that could be applied to the Dental Hygiene Degree will be determined by the Program in accordance with University regulations about transfer credits.</p> <p>All inquiries relating to admission and the supplemental application should be addressed to the Student Services Office of the Faculty of Dentistry at fodadms@interchange.ubc.ca.</p> <p>1. Entry-to-Practice Admission Option</p> <p>Successful applicants to the Dental Hygiene Degree Program via the Entry-to-Practice Admission Option will complete a fulltime 4-year program that includes didactic and clinical instruction. The Faculty expects that students will register in a full course load to complete the degree in four years. Upon successful completion of the degree, a student will be eligible to register to practice as a dental hygienist. Students admitted via this admission option will complete their studies at UBC-Vancouver through on-campus, distributed learning and community outreach</p>	<p>Type of Action:</p> <p>Addition of new admission option to the Dental Hygiene Degree Program</p> <p>Rationale:</p> <p>There is a documented ongoing shortage of dental hygienists in Canada and the US. In 2001 the Faculty of Dentistry Council approved a multiple admission options approach for the Dental Hygiene Degree Program as a means to increase enrolment. In September 2002 with Senate approval, three of four proposed admission options were implemented. Faculty Council gave approval in principle to the 4th option (Entry-to-Practice) to allow curriculum development to proceed. The attached documents detail the fourth admission option whereby students complete all four years of study at UBC. The Entry-to-Practice admission option will produce 24 additional dental hygienists per year. While the existing three admission options have increased enrollment significantly and lead to a baccalaureate degree and thus open opportunities for graduate and post-graduate studies, this does not result in an increased number of dental hygienists in the profession. The BC Dental Association, the BC Dental Hygienists Association and the College of Dental Hygienists of BC are on record in support of the new Entry-to-Practice admission option for the Dental Hygiene Degree Program. Both the Faculty of Dentistry's Curriculum and Teaching Effectiveness Committee and Council have approved the implementation of this new admission option in September 2007.</p>
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instructional delivery.

First Year

Biology 153	7
Chemistry 121	4
DHYG 108 Oral Health Sciences	3
DHYG 110 Dental Hygiene Theory & Practice	3
English 100-level1	6
Microbiology 153	3
Psychology 100	6
Total Credits	32

1 ENGL 112 (3 credits, plus 3 additional first year English credits)

Second Year

DHYG 206 Head & Neck Anatomy	3
DHYG 208 Oral Health Sciences	12
DHYG 210 Dental Hygiene Theory & Practice	18
Statistics 203	3
Total Credits	36

Third Year

DHYG 308 Oral Health Sciences	6
DHYG 310 Dental Hygiene Theory & Practice	18
DHYG 400 Current Issues in Oral Health Services	6
DHYG 461 – Literature Review I	4
DHYG 462 – Literature Review II	4
Total Credits	38

Fourth Year

DHYG 401 – Oral Epidemiology	5
DHYG 405 Oral Microbiology & Immunology	3
DHYG 410 Dental Hygiene Theory & Practice	18
DHYG 412 Oral Health Care Trends & Topics	6
Electives	6
Total credits	38



Aboriginal Applicants

The Faculty of Dentistry welcomes applications from qualified Aboriginal applicants. Please visit the UBC website (www.students.ubc.ca/welcome/aboriginal.cfm) for more information.

Acceptance

1. Entry-to-Practice Applicants

The Dental Hygiene Degree Program has limited enrolment. Since the number of qualified applicants typically exceeds the number of places available, fulfillment of the minimum requirements is not a guarantee of admission. The Faculty reserves the right of selection of all students for admission to the Program.

Successful applicants must submit a deposit within two weeks of the offer of admission from the Faculty of Dentistry. This deposit is non-refundable and will be applied towards the clinic fees of the first term.

A health record that evidences immunizations (Tetanus/Diphtheria-Toxoid, Polio, MMR, Chickenpox, and Hepatitis B) and a negative TB skin test (if the test is positive, a chest x-ray is required) must be submitted to the UBC Student Health Service. Immunizations are available from your family doctor, community health department, and from the UBC Student Health Service. Being a carrier of any one of the conditions may restrict students' educational opportunity to fulfill requirements for graduation and subsequent practise as a dental hygienist. Counselling is available to individuals who have, or are carriers, of communicable diseases. Applicants should be aware that dental hygiene practice might be very difficult for people with back problems or latex allergies.

Disability may result from practicing dental hygiene. Included are exposure to infectious diseases such as HIV, Hepatitis, musculo-skeletal injuries and the possibility of physical assault. Injury during the Program may preclude a student from continuing and from practicing dental hygiene. While the Faculty of Dentistry makes efforts to minimize such risks it does not provide any insurance to protect students from loss of future income. The Faculty recommends that students purchase disability insurance and continue coverage throughout the Program.



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THE UNIVERSITY OF BRITISH COLUMBIA

Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate

From: Senate Admissions Committee & Senate Curriculum Committee

Re: **New Programs in Bioinformatics**

Attached please find the following graduate proposal for your consideration:

Graduate Studies

- 1) The following new program:
 - a. **Master of Science and Doctor of Philosophy in Bioinformatics**
- 2) The following new courses:
 - a. **BIOF 599** (12) M.Sc. Thesis
 - b. **BIOF 699** (0) Ph.D. Thesis



UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Bioinformatics Graduate Program Degrees Offered: PhD, MSc Members Professors D. Baillie, R. Brinkman, J. Bryan, A. Cherkasov, A. Condon, P. Hieter, H. Hoos, S. Jones, M. Marra, F. Ouellette, P. Pavlidis, W. Wasserman, M. Wilkinson Associate Professors C. Bajdik, H. Brock, A. Brooks-Wilson, A. Eaves, C. Eaves, J. Emerman, B. Finlay, R. Gottardo, S. Hallam, R. Hancock, M. Hayden, C. Haynes, R. Holt, P. Hoodless, K. Humphries, R. Kay, P. Keeling, L. Keshet, M. Kobor, J. Kronstad, G. Krystal, W. Lam, P. Lansdorp, N. Le, V. Ling, C. MacAulay, D. Mager, D. Moerman, E. Moore, C. Nelson, R. Ng, J. Piret, A. Rose, M. Rosin, E. M. Simpson, J. Spinelli, F. Takei, Z. J. Wang Program Overview The Bioinformatics Graduate Program is a trans-disciplinary program that combines computational and biological disciplines for students pursuing an MSc or PhD. This program is intended to accommodate the diverse background of students and the broad nature of bioinformatics research. Students, who apply for entrance, must satisfy the general regulations of the Faculty of Graduate Studies and must be acceptable to the Bioinformatics Graduate program admissions committee.	URL: Present Calendar Entry: None. Type of Action: 1) New Program. Rationale: The CIHR/MSFHR Bioinformatics Training Program has been in existence since September 2002, with students registered in either the Genetics Graduate Program or the Statistics Department. The program has graduated six Master's students, with an additional eleven students pursuing their Master's degrees and another eleven students entering PhD programs in the laboratories of participating members. Supervisors in the program feel that the time is right to establish an independent graduate program offering degrees in Bioinformatics.



Doctor of Philosophy

Admission Requirements

Students admitted to the PhD degree program normally possess an MSc degree in Bioinformatics or a related area, with clear evidence of research ability or potential. Transfer from the MSc to the PhD program is permitted under the regulations set by the Faculty of Graduate Studies.

Program Requirements

The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements. There are no specific course requirements for the PhD degree program apart from the thesis, however, the student's PhD thesis committee has the prerogative to impose course requirements where course deficiencies are perceived.

Students proceeding towards a PhD must pass an oral qualifying examination within the first 24 months of study. All students are required to present a Bioinformatics graduate program seminar upon completion of their program, and before their thesis defense.

A student's committee for the doctorate will consist of the thesis supervisor and three others. The supervisor and at least one other member must be members of the Bioinformatics graduate program.

Master of Science

Admission Requirements

Successful applicants require a BSc or equivalent, majoring in a biological science (such as biology, genetics, microbiology, molecular biology, medicine) or in a quantitative science (such as computer science, mathematics, statistics, physics, engineering). If the applicant has a degree in a biological science, they should also have significant experience in a quantitative science or vice versa. Students must also meet current Faculty of Graduate Studies admission requirements, with the expectation that most successful applicants will significantly exceed these minimum requirements.

Program Requirements



The required courses for the program are: i) CPSC 545 (Algorithms for Bioinformatics) – 3 credits, ii) MEDG 548C (Problem-based Learning in Bioinformatics) - 3 credits and iii) GENE 501 (Special Topics in Bioinformatics) - 3 credits. Students are also required to complete three elective courses from computer science, statistics, medical genetics and other related faculties for a total of nine credits. Required program credits equal a total of 18 course credits and a 12 credit thesis.

As well, three non-credit four-month research rotations will be required to be completed in bioinformatics-affiliated laboratories.

Students entering the program with either a Bachelors degree or a Masters degree will be expected to complete the same required course work and electives. Course equivalencies will be considered, and the student may replace required program courses with electives, upon the approval of their mentor and supervisory committee. The program must be started in the September term in order to complete the required courses and research rotations as outlined.

The student's graduate program will be decided by the student, and their assigned mentor and committee members. The mentor and committee members will ensure that the student takes courses that remedy any deficiencies in the student's undergraduate preparation. All students must complete 18 credits of graduate course work in their first year, three four-month laboratory research rotations under the supervision of bioinformatics-affiliated faculty, and meet the formal requirements of the Faculty of Graduate Studies. At the beginning of their second year, upon the recommendation of their thesis supervisor and committee, students continue their MSc in bioinformatics or transfer to a PhD program in bioinformatics or related discipline.

All students are required to present a Bioinformatics graduate program seminar upon completion of their program, and before their thesis defense.

A student's committee for the Master of Science will consist of the thesis supervisor and two other members. The supervisor and at least one other member must be members of the Bioinformatics graduate program.

Contact Information:

Genome Sciences Centre, BCCA
100- 570 West 7th Avenue
Vancouver, BC V5Z 4S6



<p>tel: 604-707-5803 (Sharon Ruschkowski) or 604-707- 5473 (Charlotte Watts – admin to Dr. Jones.)</p> <p>Fax: 604-876-3561</p> <p>Email: bioinformaticsprogram@bcgsc.ca</p> <p>Web: bioinformatics.bcgsc.ca</p> <p>Contact: Sharon Ruschkowski (program coordinator)</p>	
<p>Faculty: Department: Faculty Approval Date:</p> <p>Effective Session ____ Term ____ Year ____ for Change</p>	<p>Date: March 1, 2006 Contact Person: Sharon Ruschkowski Phone: 604-707-5803 Email: bioinformaticsprogram@bcgsc.ca</p>
<p>Proposed Calendar Entry:</p> <p>BIOF 599 (12) M. Sc. Thesis</p>	<p>URL:</p> <p>Present Calendar Entry: None</p> <p>Type of Action: New course.</p> <p>Rationale:</p> <p>M. Sc. Thesis course for program to allow students to graduate with an M. Sc. in Bioinformatics.</p>
<p>Proposed Calendar Entry:</p> <p>BIOF 699 (0) Ph. D Thesis</p>	<p>URL:</p> <p>Present Calendar Entry: None</p> <p>Type of Action: New course.</p> <p>Rationale:</p> <p>Ph.D. Thesis course for program to allow students to graduate with a Ph. D in Bioinformatics.</p>

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate
From: Senate Curriculum Committee

Re: **MAY CURRICULUM PROPOSALS**

The Senate Curriculum Committee has reviewed the material forwarded to it by the faculties, and encloses those proposals it deems as ready for approval.

As such, the following is recommended to Senate:

“That Senate approves the new and changed undergraduate and graduate courses and programs brought forward by the Faculties of Applied Science, Arts, Commerce & Business Administration, Forestry, Graduate Studies, Law, and Science; and the new undergraduate courses from the College of Health Disciplines as set out in the attached packages.”

The Committee does note that the proposal for the “Mathematics Minor” in the Faculty of Applied Science that Senate approved in April with the proviso that the Committee would reconsider the proposal name is returned in this package. The Committee is proposing to amend its name to “Minor in Honours Mathematics.”

Finally, on the Senate website at <http://students.ubc.ca/senate/schedule.cfm> is the second set of reformatted Graduate Programs (under materials for the May 2006 Senate).. As Senate will recall, late last year the first set of these statements were approved by Senate. This exercise is being conducted to provide uniform and consistent representation of all Faculty of Graduate Studies graduate program requirements in the calendar. A third and final set of programs will be brought to Senate for consideration this fall. As such, the following is recommended to Senate:

“That Senate approves the Graduate Program statements (Adult Learning & Global Change through Women’s & Gender Studies; list not inclusive alphabetically)”



THE UNIVERSITY OF BRITISH COLUMBIA

Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate

From: Senate Curriculum Committee

Re: **Faculty of Applied Science Curriculum Report**

The following proposals are for your consideration:

- 1) A new **Minor in Honours Mathematics** to replace the **Mathematics Minor** which replaced the **Honours Mathematics Option** in the **Bachelor of Applied Science** program.

UNDERGRADUATE CATEGORY 1 REPORT

APPLIED SCIENCE									
APPLIED SCIENCE	Undergraduate Program Change								
<p>Effective Date: September 2006.</p> <p><i>This entry will follow the Minor in Commerce entry students.ubc.ca/calendar/index.cfm?tree=12,195,272,62 and precede the Minor in Information Technology entry students.ubc.ca/calendar/index.cfm?tree=12,195,272,46</i></p> <p>MINOR IN HONOURS MATHEMATICS</p> <p>Students wanting a stronger foundation in mathematics are encouraged to consider the Minor in Honours Mathematics. Upon successful completion of this minor program, the notation "Minor in Honours Mathematics" will be placed on the student's transcript.</p> <p>The Minor in Honours Mathematics consists of two components, 200-level MATH courses and 300- and 400-level MATH courses.</p> <p>A minimum of 9 credits of 200-level MATH courses is required in the first component.</p> <ul style="list-style-type: none"> • 200-level MATH courses from a student's engineering program (excluding MATH 221 and 223) may be included in this total. • Students must include at least one of MATH 217, 227, 263 or 317 (Students having successfully completed MECH 222 are exempt from this requirement). • Additional eligible courses are MATH 220, 257 and eligible elective 300- and 400-level MATH courses listed in the second component. <p>The 300- and 400-level MATH courses required by the Minor in Honours Mathematics are:</p> <table> <tr> <td>MATH 300</td><td>3</td></tr> <tr> <td>MATH 320¹</td><td>3</td></tr> <tr> <td>Two of MATH 301, 321, 322 and 400</td><td>6</td></tr> <tr> <td>Elective 300 and 400-level MATH courses²</td><td>12</td></tr> </table> <p>¹The prerequisites for MATH 320 will be waived for students who earn an overall average of at least 80% on the best 5 or more credits of 200-level MATH courses from the first component. Other students must obtain at least 80% in MATH 220.</p> <p>²Eligible elective 300- and 400-level MATH courses are: MATH 301, 257/316, 317, 318, 321, 322, 331, 345, 400-405, 412, 416-440, 443 and 449.</p> <p>An overall average of at least 68% must be obtained in each of the two components of the Minor in Honours Mathematics</p>	MATH 300	3	MATH 320 ¹	3	Two of MATH 301, 321, 322 and 400	6	Elective 300 and 400-level MATH courses ²	12	<p><i>There is currently no entry in the Calendar. The individual program "Honours Mathematics Option" entries in Electrical and Computer Engineering, Engineering Physics, and Mechanical Engineering will be deleted.</i></p> <p>Action: Replace "Mathematics Minor" with "Minor in Honours Mathematics"</p> <p>Rationale: The individual "Honours Mathematics Option" entries in Electrical and Computer Engineering, Engineering Physics and Mechanical Engineering will be replaced by a Faculty-wide minor. This change will provide uniformity across all Honours Mathematics options within the Faculty, will ease advising within the Mathematics department and provide access to the Minor in Honours Mathematics to students in all engineering programs.</p> <p>Document ID#: APSC UG001</p>
MATH 300	3								
MATH 320 ¹	3								
Two of MATH 301, 321, 322 and 400	6								
Elective 300 and 400-level MATH courses ²	12								

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate
From: Senate Curriculum Committee

Re: **FACULTY OF ARTS CURRICULUM REPORT**

Attached please find the following undergraduate proposal for your consideration:

- 1) The following new program:
 - a. Bachelor of **Arts** in **Computer Science**



UBC Curriculum Proposal Form Change to Course or Program

Category: (1)

Faculty: ARTS Department: Dean's Office Faculty Approval Date: Effective Session _06W_ Term __1_ Year__2006_ for Change	Date: 1 February 2006 Contact Person: Dr. Neil Guppy Phone: 2-6701 Email: guppy@mail.arts.ubc.ca
Proposed Calendar Entry: COMPUTER SCIENCE <p>The Department of Computer Science offers opportunities for study leading to a bachelor's degree in Arts. For information on graduate degrees, see Computer Science in the Faculty of Graduate Studies section.</p> <p>The Department of Computer Science accepts applications year-round from current UBC Arts students for entry into the Major. Admission to the program must be approved by the Department. Arts students who are eligible to declare a specialization should apply to the Department of Computer Science for admission into the program. Eligibility to declare a specialization requires completion of at least 54 credits and not more than 75 credits. For application forms and further information regarding admission and continuation requirements, students are advised to review the Department of Computer Science undergraduate website.</p> MAJOR IN COMPUTER SCIENCE <p>Students in Arts majoring in Computer Science are reminded that they will still need to satisfy all the Faculty of Arts Degree Requirements (i.e., English language, literature, other language, and science) plus complete at least 18 additional credits in Arts courses as set out below.</p> FIRST YEAR <ul style="list-style-type: none">• CPSC 111 and 121• MATH 100 or 102 or 104 (or 180 or 184 or 120)• MATH 101 or 103 or 105 (or 121)	URL: NONE Present Calendar Entry: NONE Type of Action: New Program Rationale: <p>There are a number of students in many Arts programs that would like to complete a Computer Science degree, but they are discouraged by the first year requirement in Physics, Chemistry, and Biology. This program will be very suitable for these students, Music, Fine Arts, and Theatre are good examples of programs that have students with such desire and potential.</p> <p>This program encourages closer collaboration between the Faculties of Arts and Science which may trigger new initiatives related to new curricula and research involving the two faculties. There are course initiatives already in progress in the area of Theatre, Music, and the Visual Arts.</p> <p>The program fits well with UBC's Trek 2010 document in terms of promoting innovation, closer contact among disciplines, and better opportunities for students.</p>



<p>SECOND YEAR</p> <ul style="list-style-type: none">• CPSC 211, 213, and 221• Six credits from MATH 200, 221, STAT 200, 241• at least six elective credits in Arts courses <p>THIRD AND FOURTH YEARS</p> <ul style="list-style-type: none">• at least twelve elective credits in Arts courses numbered 300 or above• CPSC 310, 313, 320• Twelve credits CPSC courses numbered 300 or above• Nine credits CPSC courses numbered 400 or above	
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THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate
From: Senate Curriculum Committee

Re: **FACULTY OF FORESTRY CURRICULUM REPORT**

Attached please find the following undergraduate proposal for your consideration:

- 1) The following new course:
 - a. **CONS 495** (3) Principles of Managing Problem Wildlife in Forests and Agricultural Environments.

UBC Curriculum Proposal Form
Change to Courses
Category: 1

<p>Faculty: Forestry Department: Forest Resources Management / Forest Science Faculty Approval Date: March 7, 2006</p> <p>Effective Session: Term 2, 06W Year: 2006</p>	<p>Date: March 7, 2006 Contact Person: Peter Marshall Phone: (604) 822-4918 Email: Peter.Marshall@ubc.ca</p>
<p>Proposed Calendar Entry: CONS 495 (3) Principles of Managing Problem Wildlife in Forests and Agricultural Environments. Impacts of wildlife on crop productivity in temperate and tropical environments, the resiliency of wildlife populations to conventional control methodology, adoption of innovative methods to reduce crop damage, and the impact of introduced species on native fauna. [2-0-1] Same as AGRO 495.</p>	<p>URL:</p> <p>Present Calendar Entry: None</p> <p>Type of Action: New course.</p> <p>Rationale: A similar course was offered a number of years ago, but was discontinued when the professor offering the course left the university. We again have the expertise to offer this course. It is being offered as a directed studies course this academic year and has several students from each of the Faculties of Forestry and Land and Food Systems attending, despite limited promotion. Land and Food Systems will be supporting a similar proposal for the creation of AGRO 495.</p> <p>Documentation: FRST_Spring_2006_1</p>



THE UNIVERSITY OF BRITISH COLUMBIA

Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate
From: Senate Curriculum Committee

Re: **GRADUATE STUDIES CURRICULUM REPORT**

Attached please find the following graduate proposals for your consideration:

Applied Science – School of Nursing

- 1) The following new courses:
 - a. **NURS 506** (3) Health Promotion in Practice
 - b. **NURS 509** (2) Clinical Procedures in Primary Care Settings
 - c. **NURS 570** (6) Primary Care I
 - d. **NURS 571** (6) Primary Care II
 - e. **NURS 572** (6) Primary Care III
 - f. **NURS 591** (3) Professional and Ethical Issues in NP Practice

Arts

- 2) The following new courses:
 - a. **PSYC 584** (3/6) d Language Development in Infancy and Childhood
 - b. **PSYC 589** (3/6) d Moral Development

Graduate Studies

- 3) The following changed courses:
 - a. **CICS 510** (3) Theoretical Foundations of Computer Science
 - b. **CICS 515** (3) Computer Networks and Internet Programming
- 4) The following new courses:
 - a. **CICS 518** (3) Computer and Information System Security
 - b. **CICS 530** (3) Advanced Software Engineering Project

Commerce & Business Administration (Programs Located in Disciplinary Faculty)

- 5) The following new sub-specialization in the **Master of Business Administration** program:
- a. **Business Intelligence Systems**

Science

- 6) The following new courses:
- a. **CPSC 550** (3) Machine Learning II
 - b. **EOSC 514** (3) Introduction to Geological Fluid Mechanics
 - c. **EOSC 547** (3) Tunneling and Underground Engineering
 - d. **EOSC 575** (3) The Biology and Ecology of Marine Zooplanktonic Organisms
 - e. **EOSC 584** (2-6) dTopics in Biological Oceanography
 - f. **EOSC 585** (2-6) d Topics in Physical Oceanography
- 7) The following changed course:
- a. **PHYS 533** (3) Laser Physics
- 8) A further set of generally reformatted **Graduate Programs**

UBC Curriculum Proposal Form Change to Course or Program

GRADUATE COURSES AND PROGRAMS

Applied Science

Category: 1

<p>Faculty: Graduate Studies Department: Nursing Faculty Approval Date: October 18/05</p> <p>Effective Session __W__ Term _1__ Year _2006__ for Change</p>	<p>Date: February 13, 2006 Contact Person: Carol Jillings Phone: 2-7479 Email: jillings@nursing.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>Nursing 506 (3) Health Promotion in Practice</p>	<p>Type of Action: new course</p> <p>Rationale: This is a new course in the Nurse Practitioner program. It expands upon content previously covered in other NP courses to allow greater emphasis on principles and practices of health promotion in primary care.</p>
<p>Faculty: Graduate Studies Department: Nursing Faculty Approval Date: October 18/05</p> <p>Effective Session _W__ Term _1__ Year 2006__ for Change</p>	<p>Date: February 13, 2006 Contact Person: Carol Jillings Phone: 2-7479 Email: jillings@nursing.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>Nursing 509 (2) Clinical Procedures in Primary Care Settings</p>	<p>Type of Action: new course</p> <p>Rationale: This course focuses on key office procedures in Nurse Practitioner practice. Content was formerly covered in Primary Care courses, but requires greater emphasis.</p>

Faculty: Graduate Studies Department: Nursing Faculty Approval Date: October 18/05 Effective Session __W__ Term 1__ Year_2006__ for Change	Date: February 14, 2006 Contact Person: Carol Jillings Phone: 2-7479 Email: jillings@nursing.ubc.ca
Proposed Calendar Entry: Nursing 570 (6) Primary Care I	Present Calendar Entry: Nursing 577 (3-6)D Graduate Practicum in Nursing Type of Action: New Course Rationale: The NP practicum requires its own number designation and fixed credit value in order to distinguish it from practica in the mainstream MSN program.
Faculty: Graduate Studies Department: Nursing Faculty Approval Date: October 18/05 Effective Session __W__ Term 1__ Year_2006__ for Change	Date: February 14, 2006 Contact Person: Carol Jillings Phone: 2-7479 Email: jillings@nursing.ubc.ca
Proposed Calendar Entry: Nursing 571 (6) Primary Care II	Present Calendar Entry: Nursing 577 (3-6)D Graduate Practicum in Nursing Type of Action: New Course Rationale: The NP practicum requires its own number designation and fixed credit value in order to distinguish it from practica in the mainstream MSN program.
Faculty: Graduate Studies Department: Nursing Faculty Approval Date: October 18/05 Effective Session __W__ Term 1__ Year_2006__ for Change	Date: February 14, 2006 Contact Person: Carol Jillings Phone: 2-7479 Email: jillings@nursing.ubc.ca
Proposed Calendar Entry:	Present Calendar Entry:

Nursing 572 (6) Primary Care III	Nursing 577 (3-6)D Graduate Practicum in Nursing Type of Action: New Course Rationale: The NP practicum requires its own number designation and fixed credit value in order to distinguish it from practica in the mainstream MSN program.
Faculty: Graduate Studies Department: Nursing Faculty Approval Date: October 18/05 Effective Session _W__ Term __1_ Year_2006__ for Change	Date: February 13, 2006 Contact Person: Carol Jillings Phone: 2-7479 Email: jillings@nursing.ubc.ca
Proposed Calendar Entry: Nursing 591 (3) Professional and Ethical Issues in NP Practice	Type of Action: new course Rationale: This course has been implemented as a focused directed studies course addressing content on regulatory parameters of NP practice, health system issues and ethical aspects of primary care. It now requires its own number and title to distinguish it from more generic directed studies courses taken by mainstream MSN students.

Arts

Faculty: Arts Department: Psychology Faculty Approval Date: Effective Session: Winter; Term: 1; Year for Change: 2006	Date: September, 2005 Contact Person: Tannis MacBeth Phone: 822-4826 Email: tmacbth@psych.ubc.ca
Proposed Calendar Entry: PSYC 584 (3/6) d Language Development in Infancy and Childhood	Present Calendar Entry: N/A Type of Action: New course Rationale: The content of PSYC 584 would focus on language development in

	<p>infancy and childhood. There is currently no graduate course in the Psychology Department's curriculum devoted to this topic, though several faculty members are experts in the area. This content is currently taught under other course numbers, including PSYC 513 (Special Topics in Developmental Psychology) and PSYC 521 (Psycholinguistics), but it would be more informative to have a title reflecting the course content.</p> <p>ID Number for Supporting Documents: PSYC 584-NEW</p>
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<p>Faculty: Arts Department: Psychology Faculty Approval Date:</p> <p>Effective Session: Winter; Term 1; Year for Change: 2006</p>	<p>Date: September, 2005 Contact Person: Tannis MacBeth Phone: 822-4826 Email: tmacbeth@psych.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>PSYC 589 (3/6) d Moral Development</p>	<p>Present Calendar Entry:</p> <p>N/A</p> <p>Type of Action: New course</p> <p>Rationale: The content of PSYC 589 would focus on moral development. There is currently no graduate course in the Psychology Department's curriculum devoted to this topic, though we have faculty expertise in the area. This content is currently taught under other course numbers, including PSYC 586 (Developmental Psychology I), but it would be more informative to have a title reflecting the course content.</p> <p>ID Number for Supporting Documents: PSYC 589-NEW</p>

Graduate Studies

<p>Faculty: Graduate Studies Department: I.C.I.C.S. – Master of Software Systems Faculty Approval Date: April 28, 2006</p> <p>Effective Session <u>06W</u> Term <u>2</u> Year <u>06W</u> for Change</p>	<p>Date: February 20, 2006 Contact Person: P. Nasiopoulos Phone: 2-2646 Email: panos@ece.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>CICS 510(3) Theoretical Foundations of Computer Science</p> <p>Models and analysis of software systems; discrete mathematics; algorithm analysis and complexity.</p>	<p>URL:</p> <p>http://students.ubc.ca/calendar/courses.cfm?code=CICS</p> <p>Present Calendar Entry:</p> <p>CICS 510(6) Models and Analysis of Software Systems</p> <p>In depth study of selected models and analysis of software systems: software testing and its models; discrete mathematics; algorithm analysis and complexity.</p> <p>Page 485 Col. 2</p> <p>Type of Action: Change title and partly the description. Reduction to 3 credits.</p> <p>Rationale: Change the title and description to reflect the current changes in the market. This course is reduced to 3 credits. The emphasis is on theoretical foundations of Computer Science. The other 3 credits will be replaced by another course on computer security (CICS 518).</p>

<p>Faculty: Graduate Studies Department: I.C.I.C.S. – Master of Software Systems Faculty Approval Date: April 28, 2006</p> <p>Effective Session <u>06S</u> Term <u>1</u> Year <u>06S</u> for Change</p>	<p>Date: February 20, 2006 Contact Person: P. Nasiopoulos Phone: 2-2646 Email: panos@ece.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>CICS 515(3) Computer Networks and Internet Programming</p> <p>The architecture of computer networks, design, protocols, with emphasis on local area networks. Principles of internet and WWW programming. Prerequisites: All of CICS 505, CICS 510 and CICS 520.</p>	<p>URL:</p> <p>http://students.ubc.ca/calendar/courses.cfm?code=CICS</p> <p>Present Calendar Entry:</p> <p>CICS 515(3) Computer and Network Architecture</p> <p>The architecture of computer and network systems: hardware architectures; machine language; network architectures; communication protocols. Prerequisite: All of CICS 505, CICS 510.</p> <p>Page: 485 Col. 2</p> <p>Type of Action: Change to title and partly the description.</p> <p>Rationale: Change the title and description to reflect the current changes in the market. Presently our program does not address software development in the www environment which is a rapidly growing technology. For this reason the low level hardware part of the course is replaced with internet programming.</p>

<p>Faculty: Graduate Studies Department: I.C.I.C.S. – Master of Software Systems Faculty Approval Date: April 28, 2006</p> <p>Effective Session <u>06S</u> Term <u>1</u> Year <u>06S</u> for Change</p>	<p>Date: February 20, 2006 Contact Person: P. Nasiopoulos Phone: 2-2646 Email: panos@ece.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>CICS 518(3) Computer and Information System Security</p> <p>Technical, operational, and managerial issues of computer system security, computer security threats, techniques for detecting and preventing security violations, instituting safeguards, and applying appropriate level of security for the perceived risk. Prerequisites: CICS 505, CICS 510 and CICS 520.</p>	<p>URL:</p> <p>http://students.ubc.ca/calendar/courses.cfm?code=CICS</p> <p>Present Calendar Entry:</p> <p>New</p> <p>Type of Action: New Course</p> <p>Rationale: Computer security is a very important topic for software systems, which is missing from the present curriculum. This course replaces 3 credits of CICS 510.</p>

Faculty: Graduate Studies Department: I.C.I.C.S. – Master of Software Systems Faculty Approval Date: April 28, 2006 Effective Session <u>06W</u> Term <u>2</u> Year <u>06W</u> for Change	Date: February 20, 2006 Contact Person: P. Nasiopoulos Phone: 2-2646 Email: panos@ece.ubc.ca
Proposed Calendar Entry: CICS 530(3) Advanced Software Engineering Project Design implementation and test of a large software system in an operational environment with emphasis on a team approach. Prerequisites: CICS 505, 510, 515, 518, 520, 525.	URL: http://students.ubc.ca/calendar/courses.cfm?code=CICS Present Calendar Entry: Type of Action: New Course Rationale: A graduate level capstone course that allows students to use the knowledge acquired in previous courses and develop an advanced project in software engineering. Surveys with past graduates and co-op employers show the high demand for such a course.

Commerce & Business Administration

Faculty: Commerce Department: NA Faculty Approval Date: Nov 17, 05 Effective Session ____ Term <u>2</u> Year <u>05/06</u> for Change	Date: November, 17 Contact Person: Dale Griffin Phone: 2-0156 Email: dale.griffin@sauder.ubc.ca
Proposed Calendar Entry:	URL: Present Calendar Entry: None. Subspecializations are not listed in the Calendar, but are listed on students' transcripts. Type of Action: Add Business Intelligence Systems Sub-

	<p>Specialization to MBA program. Delete E-Business Sub-Specialization.</p> <p>Rationale:</p> <p>Introduction of a “Business Intelligence Systems Sub-Specialization” in the MBA program. This is consistent with existing sub-specializations that require the completion of 3 MBA modules in one area.</p> <p>This is being introduced in response to student interest in this area.</p> <p>See Attached</p>
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Science

COMPUTER SCIENCE	
<p>Effective Date for Change: 06W</p> <p>Proposed Calendar Entry: CPSC 550 (3) Machine Learning II.</p>	<p>Present Calendar Entry: None.</p> <p>Action: New course.</p> <p>Rationale: In 2001, we introduced CPSC 540, an introductory graduate class in machine learning. This has proved to be very popular, with the number of registered students often in the 25-30 range. However, we have found that one semester is barely enough time to cover the basics, and leaves no time to cover any of the advanced topics on the current research frontier. We therefore propose to make a second-semester machine learning courses to prepare students to do research into his field. A trial-run of this course was offered in Fall 2004, as CPSC 532c (Topics in AI), and was very popular (27 students).</p> <p>Supporting Documents: SCI-05-2-CPSC 550</p>

EARTH AND OCEAN SCIENCES	
<p>Effective Date for Change: 06W</p> <p>Proposed Calendar Entry: EOSC 514 (3) Introduction to Geological Fluid Mechanics.</p>	<p>Present Calendar Entry: None.</p> <p>Action: New course.</p> <p>Rationale: Many problems in the Earth and planetary sciences involve fluid flow. A new hire in this field allows us to strengthen our fluid dynamics offerings. This course presents an introduction to fluid mechanics and will investigate the role of fluid</p>

	<p>mechanics in diverse geological, geodynamic and environmental processes on the Earth and other planets. Specific topics will vary from year to year, according to the interests of the students and the instructor. This course complements and expands the scope of existing fluid mechanics courses in EOSC, MATH, CHBE, CIVL and MECH by introducing fluid dynamics in geological problems including fluids with the huge variations in viscosity and rheology.</p> <p>Supporting Documents: SCI-05-2-EOSC 514</p>
<p>Effective Date for Change: 06W Proposed Calendar Entry: EOSC 547 (3) Tunneling and Underground Engineering.</p>	<p>Present Calendar Entry:</p> <p>None.</p> <p>Action: New course.</p> <p>Rationale: A recent hire in the field allows us to add this course and thereby strengthen the Geological/Geotechnical Engineering graduate offerings. It will also address interests of colleagues in Civil and Mining Engineering with similar programs involving geotechnical engineering, as well as those of local industry given the increase in tunneling activity in the Pacific Northwest. It has been successfully taught as a directed studies course with 6 students from Geology or Mining registered.</p> <p>Supporting Documents: SCI-05-2-EOSC 547</p>
<p>Effective Date for Change: 06W Proposed Calendar Entry: EOSC 575 (3) The Biology and Ecology of Marine Zooplanktonic Organisms.</p>	<p>Present Calendar Entry:</p> <p>EOSC 575-(2) Biological Oceanographie Mechanisms: A study ofmarine organisms. Prerequisite: EOSC 370.</p> <p>Action: Replace EOSC 575 with new course.</p> <p>Rationale: This course is designed to provide a comprehensive overview of one of the critical functional groups of marine plankton linking photosynthetically fixed organic matter and marine top predators, including harvestable fish stocks and marine mammals. It will be suitable for all incoming graduate students in EOS (i.e., physical, chemical, biological, and fisheries oceanography) and could be of considerable interest for students in other departments at UBC, including Zoology and Fishery graduate students. It is anticipated that this course will provide useful perspective on marine</p>

	<p>zooplankton to these students irrespective whether they focus their degree on biological, conservational or biogeochemical cycle aspects.</p> <p>Previous version of EOSC 575 was never taught (after number was switched from OCGY).</p> <p>Supporting Documents: SCI-05-2-EOSC 575</p>
<p>Effective Date for Change: 06W Proposed Calendar Entry: EOSC 584 (2-6) D Topics in Biological Oceanography.</p>	<p>Present Calendar Entry:</p> <p>None.</p> <p>Action: New course.</p> <p>Rationale: We wish to introduce a topics course to allow a variety of courses to be taught as the opportunity arises. We have hired a number of new faculty members in this field who wish to give a variety of new courses. We have had on occasion an Adjunct Faculty member or a Visiting Faculty member available to teach a graduate course.</p> <p>Supporting Documents: SCI-05-2-EOSC 584</p>
<p>Effective Date for Change: 06W Proposed Calendar Entry: EOSC 585 (2-6) D Topics in Physical Oceanography.</p>	<p>Present Calendar Entry:</p> <p>None.</p> <p>Action: New course.</p> <p>Rationale: We wish to introduce a topics course to allow a variety of courses to be taught as the opportunity arises. Currently such organized classroom type courses have been given as Directed Studies, which is not descriptive enough on the students' transcripts.</p> <p>Supporting Documents: SCI-05-2-EOSC 585</p>

PHYSICS AND ASTRONOMY	
<p>Effective Date for Change: 06W Proposed Calendar Entry: PHYS 533 (3) Laser Physics. Classical and semi-classical treatment of interaction of EM-radiation with atomic systems; semi-classical laser theory; Gaussian beams and optical resonators; specific laser types and systems; femtosecond lasers and amplifiers; Raman lasers; lasing with inversion; topics of current research interest.</p>	<p>Current Calendar Entry</p> <p>PHYS 533 (2) LASER PHYSICS Interaction of EM-radiation with matter, Gaussian beams and optical resonators, laser oscillators, specific laser systems, amplification in laser media, the electro-optic effect.</p> <p>Action: Change credits from 2 to 3. Change description.</p> <p>Rationale: New faculty members have recently been hired and would like to reorganize and expand this course to include more modern topics. Advanced level knowledge of electromagnetism and optics is required.</p>

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate
From: Senate Curriculum Committee

Re: **FACULTY OF LAND & FOOD SYSTEMS CURRICULUM REPORT**

Attached please find the following undergraduate proposals for your consideration:

- 1) The following new courses:
 - a. **FNH 436** (3) Integrated Functional Genomics
 - b. **FNH 439** (3) Laboratory in Integrated Functional Genomics
 - c. **FNH 480** (3) Professional Dietetic Practice III
 - d. **FNH 481** (3) Dietetic Internship I
 - e. **FNH 482** (6) Dietetic Internship II



THE UNIVERSITY OF BRITISH COLUMBIA
UBC Curriculum Proposal Form
Change to Courses
Category: 1

<p>Faculty: Faculty of Land and Food Systems Department: Faculty Approval Date: 2006</p> <p>Effective Session: Term 1, 06W Year: 2006</p>	<p>Date: 2006 Contact Person: David Shackleton Phone: (604) 822-4918 Email: shac@interchange.ubc.ca</p>
<p>Proposed Calendar Entry: AGRO 495 (3) PRINCIPLES OF MANAGING PROBLEM WILDLIFE IN FORESTS AND AGRICULTURAL ENVIRONMENTS. Impacts of wildlife on crop productivity; resiliency of wildlife populations to conventional control methodology; innovative methods to reduce crop damage; and impacts of introduced species on native fauna. [2-0-1] Same as CONS 495.</p>	<p>Present Calendar Entry: None</p> <p>Type of Action: New course.</p> <p><i>Rationale:</i> A similar course was offered a number of years ago in Forestry, but was discontinued when the professor offering the course left the university. The same professor has returned to UBC and he offered the course as a directed studies course this academic year and has several students from each of the Faculties of Forestry and Land and Food Systems attending, despite limited promotion. Forestry will be supporting a similar proposal for the creation of CONS 495.</p> <p>Documentation: LFS – AGRO 495</p>

UBC Curriculum Proposal Form Change to Course or Program

Category: 1

Faculty: Land and Food Systems Department: Food, Nutrition and Health Effective Date for Change: 06W T1	Date: 3 April 06 Contact Person: Stephen Lund Phone: 2-5708 Email: stlund@interchange.ubc.ca
Proposed Calendar Entry: FNH 436 (3): INTEGRATED FUNCTIONAL GENOMICS Global transcript, protein and metabolite profiling technologies, their integration, application, and furtherance of our understanding of how higher organisms function in general. Prerequisite: BIOL 335. Equivalent: BIOL 436	Present Calendar Entry: N/A Action: New Course Rationale: There is a need to help students learn the basics of functional genomics and to serve as an introduction help to potential graduate studies in this and related disciplines. ID Number for supporting Documents: BIOL/FNH 436 <ul style="list-style-type: none"> • Budgetary Impact form • Library Consult • Faculty consultations – Forestry; Medical Genetics, Pathology & Laboratory Medicine Faculty Approval Date: 6 March 2006
Proposed Calendar Entry: FNH 439 (3) LABORATORY IN INTEGRATED FUNCTIONAL GENOMICS Current techniques and instrumentation in transcriptome analyses, proteome profiling, metabolite analysis, and bioinformatics. The concepts and skills learned will have broad applications to omics-based systems biology research in all eukaryotes. [0-0-3] Prerequisite: BIOL 436 / FNH 436	Present Calendar Entry: N/A Action: New Course Rationale: This course offers a unique experience for students to apply lecture-based knowledge from Biol 436/FNH 436 and physically access leading edge techniques and instrumentation to conduct functional genomics research first-hand. No such course currently exists at UBC – based on web-based searches conducted by Dr. Lund, course offerings of this content quality are currently rare at the undergraduate and even graduate levels at

	<p>Canadian universities and abroad. This course will better position undergraduates to pursue graduate degrees in molecular biology and bioengineering fields, as well as to compete for graduate-level research grants later in their careers at UBC or elsewhere.</p> <p>ID Number for supporting Documents: FNH 439</p> <p>Faculty Approval Date: 8 March 2006</p>
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UBC Curriculum Proposal Form
Change to Course or Program

Category: (1)

<p>Faculty: Land and Food Systems Department: Food, Nutrition and Health Faculty Approval Date: 7 April 06</p> <p>Effective Session for Change: Varies by course (see below)</p>	<p>Date: March 14, 2006 Contact Person: Karol Traviss Phone: 604-827-5046 Email: karol.traviss@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>FNH 480 (3) PROFESSIONAL DIETETIC PRACTICE III. Themes include: practice-based research, clinical practice readiness, orientation to internship. Prerequisite: Fourth year standing in the Dietetics Major.[3-0-0]</p> <p>Effective Session for Change: S Term 1 Year 2006</p>	<p>Type of Action: New course</p> <p>Rationale: The UBC Dietetics Major has been revised to incorporate the professional practice and field work components necessary for students to graduate practice ready. This revision has necessitated development of new professional practice courses, which are being implemented with phase-in of the revised Major (FNH 381-May 05, FNH 480-May 06, FNH 481-Sept 06, and FNH 482-May 07).</p> <p>In our original program proposal, FNH 480 was to be a 9-credit course scheduled in May following 4th year. This did not offer the level of integration of theoretical and applied learning we were aiming for. To achieve this goal, we have developed two (3-credit) courses, FNH 381 (offered in May following 3rd year – launched in 2005) and FNH 480 (to be offered in May following 4th year – to be launched in 2006).</p>
<p>Proposed Calendar Entry:</p> <p>FNH 481 (18) DIETETIC INTERNSHIP I. Fulltime internship placements within British Columbia health authorities. Prerequisite: 5th year standing in the Dietetics Major.</p> <p>Effective Session for Change: W Term 1 Year 2006-2007</p>	<p>Type of Action: New course</p> <p>Rationale: FNH 481 and 482 are designed to address Dietitians of Canada dietetic internship accreditation standards.</p> <p>Note credit allocations for UBC health and human service training program practicum courses vary widely. The proposed number of credits for our internship courses is within the range of that offered by other programs.</p>
<p>Proposed Calendar Entry:</p>	<p>Type of Action: New course</p>

<p>FNH 482 (6) DIETETIC INTERNSHIP II. Fulltime internship placements within British Columbia health authorities. Prerequisite: FNH 481.</p> <p>Effective Session for Change: S Term 1 Year 2007</p>	<p>Rationale: As per FNH 481.</p>
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THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate
From: Senate Curriculum Committee

Re: **FACULTY OF LAW CURRICULUM REPORT**

Attached please find the following undergraduate proposals for your consideration:

- 1) The following new courses:
 - a. **LAW 379** (8-12) d Externship
 - b. **LAW 380** (3-6) d Externship Reflection



UBC Curriculum Proposal Form Change to Course

Category: (1)

Faculty: Law Department: Faculty Approval Date: 2/2/06 Effective Session: Winter Term: 1 Year: 2006 for Change	Date: April 20 th , 2006 Contact Person: Prof. Catherine Dauvergne / Karen Higginson (administrator) Phone: 604 822 6506 or 604 822 5018 Email: dauvergne@law.ubc.ca or higginson@law.ubc.ca
Proposed Calendar Entry: Law 379 (8-12)d Externship Students work for approved public sector organization, supervised by a Faculty approved mentor and a faculty member. <i>Co-requisite:</i> Law 380 Consult Faculty for full eligibility criteria. <i>Prerequisite:</i> Law 346 or Law 100. Law 280 or Law 470 highly recommended. Law 260 or Law 400 recommended.	URL: http://students.ubc.ca/calendar/courses.cfm?code=LAW Present Calendar Entry: n/a Type of Action: New course proposed Rationale: The demonstrated pedagogical value of externship placements in enhancing students' knowledge retention, engagement with professional training, and critical reflection on the practice of law is well documented in legal education literature. This course will provide a supervised field placement for law students. Placements will be with approved public sector organizations, including the BC Provincial Court, and will add greatly to the Community Service Learning opportunities at the Faculty. The following materials are attached as supporting documentation: <ol style="list-style-type: none">1. Course outline for Law 379 (and its companion course, Law 380);2. An outline of the first proposed externship placements within the BC Provincial Court (ref: "Externship program").



UBC Curriculum Proposal Form Change to Course

Category: (1)

Faculty: Law Department: Faculty Approval Date: 2/2/06 Effective Session: Winter Term: 1 Year: 2006 for Change	Date: April 20th, 2006 Contact Person: Prof. Catherine Dauvergne / Karen Higginson (administrator) Phone: 604 822 6506 or 604 822 5018 Email: dauvergne@law.ubc.ca or higginson@law.ubc.ca
Proposed Calendar Entry: Law 380 (3-6)d Externship Reflection Structured reflective exercises on the LAW 379 externship experience. <i>Corequisite: Law 379</i>	URL: http://students.ubc.ca/calendar/courses.cfm?code=LAW Present Calendar Entry: N/A Type of Action: New course proposed Rationale: This course will serve as a companion course to Law 379, and will provide a consistent reflective learning element amongst potentially diverse practicum experiences. The course will ensure a strong academic component to the externship opportunities. The following materials are attached as supporting documentation: <ol style="list-style-type: none">1. Course outline for Law 380; (and its companion course, Law 379).



THE UNIVERSITY OF BRITISH COLUMBIA

Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate
From: Senate Curriculum Committee

Re: **FACULTY OF SCIENCE CURRICULUM REPORT**

Attached please find the following undergraduate proposals for your consideration:

- 1) Changes to the academic regulations for the **Bachelor of Science** program:
 - a. Academic Standing / Continuation Requirements
- 2) Creation of a **Dual Degree** Program in **Science** and **Arts**
- 3) Changes to the **Double Major in Science and Arts** program
- 4) Changes to the following specializations:
 - a. Honours Genetics
 - b. Honours Atmospheric Science
 - c. Atmospheric Science
 - d. Integrated Science Program
 - e. Mathematics and Economics
 - f. Physics
 - g. Cognitive Systems
- 5) The following new, changed, and deleted courses:

ATMOSPHERIC SCIENCE

- a. New Course: **ATSC 212** (1) Earth and Atmospheric Science Introductory Computing Laboratory

BIOLOGY

- b. New Course: **BIOL 436** (3) Integrated Functional Genomics

COMPUTER SCIENCE

- c. Deleted Course: **CPSC 100** (4) Elements of Computer Science

- d. Changed Course: **CPSC 121** (4) Models of Computation
- e. New Course: **CPSC 406** (3) Computational Optimization
- f. Changed Course: **CPSC 417** (3) Computer Networking
(Presently: Computer Communications)
- g. Changed Course: **CPSC 444** (3) Advanced Methods for
Human Computer Interaction (Presently:
User Interface Design)

EARTH AND OCEAN SCIENCES

- h. New Course: **EOSC 355** (3) The Planets
- i. New Course: **EOSC 356** (1) Introduction to Planetary
Science Laboratory

MATHEMATICS

- j. Changed Course: **MATH 322** (3) Introduction to Algebra
- k. Changed Course: **MATH 342** (3) Algebra, Coding Theory,
and Cryptography

PHYSICS AND ASTRONOMY

- l. New Course: **PHYS 210** (2) Introduction to
Computational Physics
- m. New Course: **PHYS 308** (3) Optics
- n. New Course: **PHYS 348** (3) Frontiers in Physics

PSYCHOLOGY

- o. New Course: **PSYC 469** (3) Psychoneuroimmunology

Contact: Dr. Bill Ramey
Phone: 822-3300

Faculty Approval Date: **March 2, 2006**
Email: wramey@interchange.ubc.ca

DEANS OFFICE

Effective Date for Change: 07W
Proposed Calendar Entry:

Academic Standing

An academic performance evaluation will be performed on each student at the end of each term of winter session and at the end of summer session as described under Academic Performance Evaluations (see Academic Regulations, Chapter V). Co-operative education work terms are not included in the evaluation. Courses are only included in an academic performance evaluation once a final grade has been assigned. For example, courses for which a deferred examination has been granted will be considered within the academic performance evaluation for the period in which the deferred examination is written. The following tables determine the academic standing of a student following an academic performance evaluation based on the current academic standing, the credit-weighted average (AVG) and the percentage of the credits passed (CP).

Table 1: Academic Standing (9 credits or fewer attempted)

Current Academic Standing	Academic Performance	New Academic Standing
In Good Standing	AVG \geq 50% and CP \geq 50%	In Good Standing
	AVG<50% or CP<50%	On Academic Probation
On Academic Probation	AVG \geq 65% and CP=100%	In Good Standing
	AVG<50% or CP<50%	Failed
	Otherwise	On Academic Probation

Table 2: Academic Standing (more than 9

<http://students.ubc.ca/calendar/index.cfm?tree=12,215410,407>

Present Calendar Entry:

~~Continuation Requirements~~

~~Students who do not achieve a level 5 on the LPI examination before completing 30 credits of Science-eligible courses, taken either at UBC or another post-secondary institution, will not be permitted to register in any additional credit courses until they successfully complete the LPI. See Exemptions under Language Proficiency Index Requirement for First Year English. See also English Requirement under Bachelor of Science, Degree Requirements.~~

~~Students who do not meet the six credit first year English requirement before completing 60 credits of Science-eligible courses (30 credits for second-degree students), taken either at UBC or transferred from another post-secondary institution, will not be permitted to register in any additional credit courses other than first year English until that requirement is satisfied. Students who approach the 60 credit limit will be restricted in taking further credits so as not to exceed the limit.~~

~~Continuation Requirements are listed in the table "Summary of Continuation Requirements" below. Subject to the above conditions, students who pass all courses in any Winter or Summer session will be assigned a Pass standing and will be eligible to continue their studies. Students who fail one or more courses but attain a sessional average of 55% or more in any Winter or Summer Session will also be assigned a Pass standing and will be permitted to continue their studies.~~

~~Students who attain a sessional average of less than 50% in any Winter or Summer Session will be assigned a Fail standing. They will be required to withdraw from the Faculty, unless this sessional average is based on fewer than 12 credits (Winter Session) or 6 credits (Summer Session) and there is no Fail or Academic Probation (ACPR) on their previous record, in which case they will be permitted to continue.~~

~~Students who fail one or more courses and attain a sessional average of at least 50% but less than 55% in a Winter or Summer Session will be placed on Academic~~

credits attempted)

Current Academic Standing	Academic Performance	New Academic Standing
In Good Standing	AVG \geq 55% and CP \geq 65%	In Good Standing
	AVG<55% or CP<65%	On Academic Probation
On Academic Probation	AVG \geq 55% and CP=100%	In Good Standing
	AVG<55% and CP<100%	Failed
	Otherwise	On Academic Probation

A student who is On Academic Probation is restricted to taking no more than 12 credits in either term of winter session or no more than 11 credits during summer session. That student must also submit an academic plan to an advisor in the Science Information & Advising Centre during each study term. A meeting with the advisor may be required.

A student who receives a standing of On Academic Probation for three consecutive academic progress evaluations will be assigned a Failed academic standing.

A student who receives a Failed academic standing will be required to discontinue his or her studies for 12 months. Normally, the student will be required to discontinue studies starting immediately.

However, a student registered in and attending one or more courses will be permitted to complete those courses if the determination of an academic standing of Failed is only made after the last date for withdrawal without a 'W' being recorded on the transcript.

A student appealing to the Faculty to be permitted to continue his or her studies immediately despite having received an academic standing of Failed may not register for or attend courses while awaiting the results of the appeal, except as noted above. A student On Academic Probation should maintain contact with his or her faculty advisor in case any circumstances arise that might adversely affect

~~Probation (ACPR). They will be permitted to continue their studies unless they had a Fail standing in any prior session or they were on Academic Probation in the previous session, in which case they will be assigned a Fail standing and required to withdraw from the Faculty.~~

~~Students assigned Academic Probation in one session will be removed from Academic Probation if, in a following session, they pass all courses and attain an average of at least 55% on at least 12 credits.~~

~~Students required to withdraw from the Faculty for poor academic performance or for failing to meet promotion requirements within the maximum credit limits (see Promotion Requirements under Bachelor of Science, Degree Requirements) or who otherwise leave UBC while ACPR is on their transcript~~ may apply for readmission after one full year, but ~~no~~ student ~~has~~ the right to readmission. Applications for readmission should be submitted to the Undergraduate Admissions Office. Applications will be considered by the Science Admissions, Adjudication, and Appeals Committee. In considering an application for readmission, the Committee will take into account any and all evidence of a student's ability to perform satisfactorily at the university level. ~~Under normal circumstances, the committee will expect students required to withdraw before completing 60 science-eligible credits and those who leave with ACPR on their transcript~~ to demonstrate their abilities by completing the following amount of work at a BC College or similar institution and attaining an overall G.P.A. of 2.50, calculated on all university-transfer work attempted after they were required to withdraw. A negative decision may be appealed to the Senate Admissions Committee. That Committee does not change decisions of the Faculty based on academic grounds but may grant an appeal if due process was not followed by the Faculty. Thus, unless the appellant supplies additional information in support of special consideration, the appeal to Senate is unlikely to succeed.

Students required to withdraw after completing more than 60 Science-eligible credits are encouraged to take courses at a College or similar institution, even though some of the credits so earned may not be transferable to UBC.

academic performance.

A student In Good Standing may withdraw voluntarily (i.e., not register for courses in a winter session) and apply for re-admission to a later session. No requirements to take courses at another institution or to meet a competitive admission average apply to such a student.

A student with a Failed standing or who fails to meet promotion requirements within the maximum credit limits (see [Promotion Requirements](#) under Bachelor of Science, Degree Requirements) **or who leaves UBC while On Academic Probation** may apply for readmission after one full year, but **such a student does not have** the right to **automatic** readmission. Applications for readmission should be submitted to the Undergraduate Admissions Office. Applications will be considered by the Science Admissions, Adjudication, and Appeals Committee. In considering an application for readmission, the Committee will take into account any and all evidence of a student's ability to perform satisfactorily at the university level. **The committee will expect students with a Failed standing who had successfully completed fewer than 60 science-eligible credits and those who leave while On Academic Probation** to demonstrate their abilities by completing the following amount of work at a BC College or similar institution and attaining an overall G.P.A. of 2.50, calculated on all university-transfer work attempted after they were required to withdraw. A negative decision may be appealed to the Senate Admissions Committee. That Committee does not change decisions of the Faculty based on academic grounds but may grant an appeal if due process was not followed by the Faculty. Thus, unless the appellant supplies additional information in support of special consideration, the appeal to Senate is unlikely to succeed.

Students required to withdraw after completing more than 60 Science-eligible credits are encouraged to take courses at a College or similar institution, even though some of the credits so earned may not be transferable to UBC.

Credits Completed Before Withdrawal	College Transfer Credits Required before applying for readmission
30 or fewer	30
31-45	24
46-60	12
More than 60	No requirement

Summary of Continuation Requirements

Sessional Average, Course Success	Student Previously in Good Standing	ACPR on Student Record	Fail on Student Record
55% or higher, passed all courses	Pass, eligible to continue	Pass, eligible to continue; ACPR lifted if enrolled in 12 or more credits	Pass, eligible to continue
At least 50% but less than 55%, passed all courses	Pass, eligible to continue	Pass, eligible to continue; ACPR carried forward	Pass, eligible to continue
55% or higher, failed one or more courses	Pass, permitted to continue	Pass, permitted to continue; ACPR carried forward	Pass, permitted to continue
At least 50% but less than 55%, failed one or more courses	ACPR, permitted to continue	Fail, required to withdraw	Fail, required to withdraw
Below 50%; enrolled in 12 or more credits (Winter) or 6 or more (Summer)	Fail, required to withdraw	Fail, required to withdraw	Fail, required to withdraw
Below 50%; enrolled in under 12 credits (Winter) or under 6 (Summer)	Fail, permitted to continue	Fail, required to withdraw	Fail, required to withdraw

Credits Successfully

College Transfer

Completed Before Withdrawal	Credits Required Before Applying for Readmission	<p>A student who had a standing of either On Academic Probation or Failed in their last term at UBC and who is re-admitted to the Faculty will be placed On Academic Probation in their first term.</p>	<p>Action: Delete the first two paragraphs and revise the rest of the Continuation Requirements to conform to the University-wide regulations approved by Senate on Academic Standing and Academic Performance Evaluations.</p> <p>Rationale: Senate approved a new, uniform approach to the evaluation of academic performance at the end of each term of winter session and the end of summer session and left it to individual faculties to set criteria. Enrolment Services has produced the computer system to conduct the proposed evaluations of academic performance automatically. The Faculty of Science has been assessing performance after both summer and winter sessions but not after first term of winter session. Currently a student can go from In Good Standing to Failed, Required to Withdraw after one winter session. Assessing performance after each term of winter session rather than only at the end of second term will provide more timely warning to students who are performing poorly, in the form of an academic standing of On Academic Probation after first term. If the student's performance does not improve in the second term the outcome may still be a Failed standing in April and a requirement to withdraw but the Science advising unit will have a chance to intervene earlier. If a student starts first term of winter session already On Academic Probation the outcome of first term could be Failed standing and a requirement to withdraw. The use of different tables for determining academic standing depending on the number of credits completed allows for the fact that there is likely to be a wider variation in the average grade if fewer credits have been attempted. The first two paragraphs of the current entry are redundant since they are included in the English Requirement statement.</p>
30 or fewer	30		
31-45	24		
46-60	12		
More than 60	No requirement		

<p>Effective Date for Change: 06W Proposed Calendar Entry:</p> <p>Dual Degree Program in Science and Arts</p> <p>This program offers qualified students the opportunity to earn a Bachelor of Science and a Bachelor of Arts degree in most combinations of one Science major program and one Arts (BA) major program. Most combinations can be completed in from four and one-half to five and one-half winter sessions.</p> <p>Application for admission to the program is made through the Science Information & Advising Centre (see www.eScience.ubc.ca/academic). Acceptance into the program will be determined based on a review of both the applicant's transcript and a statement of academic purpose. Normally, application for admission will be made in the second term of the first year at UBC for students admitted directly from high school and in the summer before winter session for students admitted on transfer. Admission at any time is conditional; maintenance of good academic standing is required throughout the program. Admission to specializations within Science and Arts may be competitive and admission to the Dual Degree program does not imply future admission to particular specializations. The Dual Degree option is not open to students with a previous degree.</p> <p>Students must satisfy all of the degree and program requirements for both one major in the Bachelor of Science and one major in the Bachelor of Arts degrees. Students completing a BSc Major in one of the following disciplines may not also complete a BA Major in the same discipline: Computer Science, Geography, Mathematics, Mathematical Sciences, Psychology. Individual courses may be considered to satisfy requirements for both degrees. Students should endeavour to satisfy lower-level course prerequisites for both programs in their first two years. Entry into and continuation in a Dual Degree program</p>	<p>Insert after PROGRAM REQUIREMENTS, DOUBLE MAJOR IN SCIENCE AND ARTS PROGRAM and before MINOR PROGRAM</p> <p>Present Calendar Entry: None.</p> <p>Action: Create new Dual Degree option</p> <p>Rationale: The Double Major in Science and Arts option has proven popular. Students in that option actually complete all the requirements for both a BSc and a BA degree but when the option was approved several years ago, the Arts Faculty Council did not agree to a Dual Degree designation. This change will make the arrangement parallel that between Arts and Applied Science which was approved subsequent to the Double Major in Science and Arts. The requirements for the Double Major will be reduced slightly for students who wish to study in both faculties but not to complete all the requirements for both degrees. Since this change is simply renaming the existing Double Major in Science and Arts degree option, there is no library impact.</p>
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<p>require that the student remains in good academic standing. Students should meet with an advisor from the Board of Studies prior to enrolling in their first year of courses and at least annually thereafter.</p>	
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<p>Effective Date for Change: 06W Proposed Calendar Entry:</p> <p>Program Requirements Double Major in Science and Arts Program</p> <p>Students must satisfy all degree requirements for a bachelor of Science Major in one program, including all Faculty of Science requirements. As far as the Arts Major is concerned a student need only satisfy the remaining program requirements for the Bachelor of Arts Major (i.e., at least 42 and not more than 60 Arts credits in one subject or field of specialization including at least 30 upper-level credits). Courses may satisfy requirements for both programs. Students should endeavour to satisfy lower-level course prerequisites for both programs in their first two years. Entry into and continuation in a Double Major program requires that the student remain in good academic standing.</p> <p>The B.A. Major in Music is available as a second major for a B.Sc. student but it has limited access to performance courses. The Bachelor of Music is not available as a second major. Students interested in combining studies in Science and musical performance should consult advisors in both Faculties prior to admission to UBC to discuss the appropriate Faculty in which to enroll and to develop an academic plan.</p> <p>Students in the following B.Sc. Major programs may not complete a B.A. Major in the same subject: Geography, Mathematics, Mathematical Sciences, Psychology.</p>	<p>http://students.ubc.ca/calendar/index.cfm?tree=12,215,410,408</p> <p>Present Calendar Entry: (as amended by Senate in January 2006)</p> <p>Program Requirements Double Major in Science and Arts Program</p> <p>Students must satisfy all degree requirements for a bachelor of Science Major in one program, including all Faculty of Science requirements. As far as the Arts Major is concerned a student need only satisfy any remaining Faculty of Arts and program requirements for the Bachelor of Arts Major. Courses may satisfy requirements for both programs. Students should endeavour to satisfy lower-level course prerequisites for both programs in their first two years. Entry into and continuation in a Double Major program requires that the student remain in good academic standing.</p> <p>The B.A. Major in Music is available as a second major for a B.Sc. student but it has limited access to performance courses. The Bachelor of Music is not available as a second major. Students interested in combining studies in Science and musical performance should consult advisors in both Faculties prior to admission to UBC to discuss the appropriate Faculty in which to enroll and to develop an academic plan.</p> <p>Students in the following B.Sc. Major programs may not complete a B.A. Major in the same subject: Geography, Mathematics, Mathematical Sciences, Psychology.</p> <p>Action: Modify the description of the Double Major in Science and Arts.</p> <p>Rationale: A new Dual Degree in Science and Arts option will require completion of all degree requirements for both the BSc and BA. The requirements for the Double Major in Science and Arts are being reduced slightly, therefore, to remove the requirement for the BSc student to complete all the BA degree requirements (i.e., the literature and language requirements) that are not specific program requirements.</p>
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<p>Effective Date for Change: 06W Proposed Calendar Entry:</p> <p>Degree Requirements Graduation Requirements An Honours or ... require more. ... A Double Major in Science and Arts program requires a minimum of 120 credits, but in most cases will require more. Students who are in the Double Major program must satisfy all degree requirements for a Bachelor of Science Major in one area. As far as the Arts Major is concerned a student need only satisfy the remaining program requirements for the Bachelor of Arts Major. Courses may satisfy requirements for both programs. Students should endeavour to satisfy lower-level course prerequisites for both programs in their first two years.</p> <p>Dual Degree in Science and Arts Program A Dual Degree in Science and Arts requires more than 120 credits, but must be completed within 180 credits attempted. Students in a Dual Degree Program must satisfy all of the requirements for both the Bachelor of Science and Bachelor of Arts degrees in their chosen programs. Courses may satisfy requirements for both degrees. Students should endeavour to satisfy lower-level course prerequisites for both programs in their first two years. Entry into and continuation in a Dual Degree program require that the student remains in good academic standing. In order to graduate in a Co-operative Education Program...</p>	<p>http://students.ubc.ca/calendar/index.cfm?tree=12,215,410,408 Present Calendar Entry: (as amended by Faculty Council in October 2005 and by Senate in January 2006)</p> <p>Degree Requirements Graduation Requirements An Honours or ... require more. ... A Double Major in Science and Arts program requires a minimum of 120 credits, but in most cases will require more. Students who are in the Double Major program must satisfy all degree requirements for a Bachelor of Science Major in one area. As far as the Arts Major is concerned a student need only satisfy Faculty of Arts and program requirements for the Bachelor of Arts Major. Courses may satisfy requirements for both programs. Students should endeavour to satisfy lower-level course prerequisites for both programs in their first two years.</p> <p>In order to graduate in a Co-operative Education Program...</p> <p>Action: Modify the description of the Double Major in Science and Arts and add a new Dual Degree in Science and Arts. Rationale: A new Dual Degree in Science and Arts option will require completion of all degree requirements for both the BSc and BA. The requirements for the Double Major in Science and Arts are being reduced slightly, therefore, to remove the requirement for the BSc student to complete all the BA degree requirements (i.e., the literature and language requirements) that are not specific program requirements.</p>
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BIOLOGY

Effective Date for Change: 06W

Proposed Calendar Entry:

Honours (0415): Genetics (GENE)

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Third and Fourth Years

...

BIOL 337, **437, or 444** 3

BIOL 433, 434, or 463 3

...

Electives³ 12

...

<http://students.ubc.ca/calendar/index.cfm?tree=12,215,410,418>

Present Calendar Entry:

Honours (0415): Genetics (GENE)

...

Third and Fourth Years

...

BIOL 337 or 433 3

...

Electives³ ~~15~~

...

Action: Add alternatives to the Genetics lab and an additional 3 credits in a choice of genetics specialization (plant genetics, developmental genetics or population genetics).

Rationale: The new molecular lab courses BIOL 437 and 444 are good alternatives to our Genetics lab (BIOL 337) for the program. Also, we would like to divert three credits from Electives to a genetics course, which may be chosen from 3 alternatives each of which represents an important area of specialization in genetics: plant genetics (BIOL 433), developmental genetics (BIOL 463) and population genetics (BIOL 434).

EARTH AND OCEAN SCIENCES

Effective Date for Change: Proposed Calendar Entry:	http://www.students.ubc.ca/calendar/index.cfm?tree12,215,410,416
Honours (0429): Atmospheric Science (ATSC)	Present Calendar Entry: Honours (0429): Atmospheric Science (ATSC)
First Year ...	First Year ...
Second Year ATSC 201, 212	Second Year ATSC 201
.... Total Credits Total Credits
... Minimum credit for degree Minimum credit for degree ...
⁴ Recommended electives: CPSC 111 , EOSC 100-level or GEOG 102.	⁴ Recommended electives: EOSC 100-level or GEOG 102.
	Action: Add ATSC 212 to second year. Increase number of second-year credits. Increase total credits for degree. Add CPSC 111 to recommended first-year electives. Rationale: A recent review of computation requirements for the degree suggests enhancing them. We will recommend students take CPSC 111 in addition to EOSC 211 and add a lab course in second term of second year (ATSC 212) that will focus on practical computing such as debugging, brief introduction to C++ and Fortran, etc.

Effective Date Change: 06W Proposed Calendar Entry: Major (0167): Atmospheric Science (ATSC)		http://students.ubc.ca/calendar/index.cfm?tree=12,215,410,416 Present Calendar Entry: Major (0167): Atmospheric Science (ATSC)	
First Year		First Year	
ENGL 100-level ¹	6	ENGL 100-level ¹	6
CPSC 111	4	CHEM 121, 123 (or 111,113)	8
CHEM 121, 123 (or 111,113)	8	MATH 100 or 102 or 104 (or 120 or 180 or 184)	3(4)
MATH 100 or 102 or 104 (or 120 or 180 or 184)	3(4)	MATH 101 or 103 or 105 (or 121)	3(4)
MATH 101 or 103 or 105 (or 121)	3(4)	PHYS 107 (or 101) ²	3
PHYS 107 (or 101) ²	3	PHYS 108, 109 (or 102)	4(3)
PHYS 108, 109 (or 102)	4(3)	Elective ^{2,3}	3
Elective ^{2,3}	3	Arts Elective	3
Total Credits	33(36)	Elective ^{2,3}	3
		Total Credits	32(35)
Second Year		Second Year	
ATSC 201, ATSC 212	4	ATSC 201	3
EOSC 211	3	EOSC 211 (or CPSC 111)	3(4)
EOSC 250	3	EOSC 250	3
MATH 200, 215, 221	9	GEOG 200	3
PHYS 216	3	MATH 200, 215, 221	9
Arts Electives ⁴	6	PHYS 216	3
Elective ^{4,5,6}	3	Arts Elective ⁴	3
Total Credits	31	Elective ^{4,5}	3
...		Total Credits	30(31)
Minimum credits for degree	124	...	
		Minimum credits for degree	122
⁴ 18 credits of electives must be numbered 300 or higher. ⁵ GEOG 200 is recommended. ⁶ Nine credits must be Science courses from outside the Major field, or Arts. The Major field includes all Atmospheric Science, Oceanography, Geography (Science) and Physics courses. ⁷ Offered in alternate years. ⁸ Selected from ATSC 406, ATSC 409, ATSC 414; CHEM 302 ; EOSC 354; GEOG 401, GEOG 402; PHYS 314.		⁴ 18 credits of electives must be numbered 300 or higher. ⁵ Nine credits must be Science courses from outside the Major field, or Arts. The Major field includes all Atmospheric Science, Oceanography, Geography (Science) and Physics courses. ⁶ Offered in alternate years. ⁷ Selected from ATSC 406, ATSC 409, ATSC 414; EOSC 354; GEOG 401, GEOG 402; PHYS 314. Action: Add CPSC 111 to first year. Remove Arts Elective from first year. Increase number of first year credits. Add ATSC 212 to second year. Remove (CPSC 111) from second year. Remove GEOG 200 from second year. Increase Arts Electives from 3 to 6 credits. Increase number of second year credits. Increase Minimum credits for degree. Add footnote 5.	

	<p>Renumber footnotes.</p> <p>Add CHEM 302 to electives.</p> <p>Rationale: Recent review of computational requirements for the degree suggests that both an object-oriented course (CPSC 111) and a numeric/application course (EOSC 211) should be part of the program. In addition a lab course in second term of second year (ATSC 212) will focus on practical computing such as debugging, brief introduction to C++ and Fortran etc.</p> <p>Increase in computational requirements force a reduction elsewhere. We are reluctantly removing GEOG 200. CHEM 302 is an appropriate atmospheric science elective and was missed from the earlier list.</p>
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INTEGRATED SCIENCES

Effective Date for Change: 06W

Proposed Calendar Entry:

Graduation Requirements

For the ISP degree options, the Faculty graduation requirements as stated under [Graduation Requirements](#) under Bachelor of Science, Degree Requirements apply, with the exception of the breadth requirement. The required credits in the **disciplines** and the Integration (ISCI) courses fulfill part of the minimum upper-level credit requirement.

Requirements for ISCI (1039): Integrated Sciences Program

- Completion of a minimum of 33 credits of approved 300- or 400-level science courses in the areas of integration with at least 9 credits in each area. There must be at least 6 credits numbered at the 400 level and when possible there should be at least one 400-level course in each discipline. No more than six credits of directed studies can be counted in the integration.
- Completion of 7 ISCI credits including the one credit seminar course ISCI 300. An ISCI course must be taken in the first year in the program. ISCI 448 directed studies projects do not count towards this ISCI requirement.
- Approved programs are developed in consultation with ISP advisors. See the website <http://www.science.ubc.ca/~isp/application/requirements.php> for details.

Requirements for ISCI (001511): Honours Integrated Sciences Program

- Completion of a minimum of 42 credits of approved 300- or 400-level science courses in the areas of integration with at least 12 credits in each area. There must be at least 12 credits numbered at the 400 level and when possible there should be at least one 400-level course in each discipline.
- Completion of 7 ISCI credits including

<http://students.ubc.ca/calendar/index.cfm?tree=12,215,410,428#5451>

Present Calendar Entry:

Graduation Requirements

For the ISP degree options, the Faculty graduation requirements as stated under [Graduation Requirements](#) under Bachelor of Science, Degree Requirements apply, with the exception of the breadth requirement. The required credits in the Areas of Concentration and the Integration (ISCI) courses fulfill part of the minimum upper-level credit requirement.

Requirements for ISCI (1039): Integrated Sciences Program

- ~~Completion of a minimum of 18 credits of 300- or 400-level courses in the areas of integration as designated in their application.~~
- ~~Nine credits of Integration Courses (ISCI). An ISCI course must be taken in a student's first term in the program. Since the topics of these courses may change from year to year, students should plan their programs to select ISCI courses in which they are most interested. Registration in ISCI courses will be limited, and ISP students will be given priority.~~
- ~~In addition to the nine ISCI credits mentioned above, students must take the one credit seminar course ISCI 300.~~
- ~~ISP students will develop a strong program of upper-level science courses, in consultation with ISP advisors. Students are expected to develop programs with 39 or more credits of upper level science and with several 400-level courses.~~

Requirements for ISCI (001511): Honours Integrated Sciences Program

- ~~Six credits Honours thesis. Honours students in ISP write an Honours thesis that fits within the interdisciplinary mandate of the Program and the scientific disciplines that students are integrating. Students must take a six credit Directed Research course (449 course) in a suitable department that fits with the topic of their thesis. They may need to have certain prerequisites to take~~

the one credit seminar course ISCI 300. An ISCI course must be taken in the first year in the program.

- Completion of a six credit Honours thesis (449 course) in a subject related to one or more of the disciplines.
- Approved programs are developed in consultation with ISP advisors and must satisfy the faculty of Science requirements for honours programs. Students must complete 30 credits each winter session and maintain a minimum sessional average of at least 75% since third year standing and at least 68% before third year standing. See the website <http://www.science.ubc.ca/~isp/application/requirements.php> for details.

~~these courses. For their research thesis, students are encouraged to arrange for co-supervision by faculty members representing the disciplines that the student is integrating. If desired, ISP provides an ISP examiner (i.e., a faculty member associated with ISP) for thesis examinations of ISP Honours student.~~

- ~~Completion of a minimum of 36 credits of 300 or 400 level courses in the areas of integration as designated in their application. At least 12 of those credits must be at the 400 level. It is recommended that students take research related courses (topics courses, seminars, research methodologies) in preparation of their Honours thesis 449 course.~~
- ~~Twelve credits of Integration Courses (ISCI). An ISCI course must be taken in a student's first term in the program. Since the topics of these courses may change from year to year, students should plan their programs to select ISCI courses in which they are most interested. Registration in ISCI courses will be limited, and ISP students will be given priority.~~
- ~~In addition to the 12 ISCI credits mentioned above, students have to take the one credit seminar course ISCI 300.~~
- ~~In addition to the Faculty continuation and graduation requirements for Honours students, ISP Honours students need to maintain a minimum average of 75% in each term of their tenure in the Honours ISP.~~

Action: Replace the current description for the ISCI Programs.

Rationale: A recent review of the ISP indicated that the program requirements should be strengthened and clarified. The proposed changes will bring the programs in line with the depth of specialization expected in other BSc programs.

MATHEMATICS

Effective Date for Change: Proposed Calendar Entry: Major (1135): Mathematics and Economics (MATH, ECON) First Year Second Year ECON 200- or 300-level¹² 6 MATH 200 (or 226), 215, 220, 221 (or 223) 12 BIOL, ASTR, EOSC, GEOG, or PSYC ⁸ 3 Electives ^{9,10} 9 Total Credits 30 Third and Fourth Years ECON 301, 302 , 325 ¹³ , 326, 490 15 ECON courses numbered 300 or above ¹² 3 MATH courses numbered 300 or above ¹⁴ 18 Science courses numbered 300 or above ¹⁰ 12 Elective(s) ^{9,10} 12 Total Credits 60 Minimum credits for degree 121 ¹² ECON 320 cannot be used to fulfill these requirements. ¹³ STAT 200 can substitute for ECON 325. ¹⁴ Suitable electives include MATH 302, 303, 320, 321, 402, 403, 418, 419, 443 and MATH 320 would be valuable for graduate study in Economics.		http://www.students.ubc.ca/calendar/index.cfm?tree 12, 215,410,429 Present Calendar Entry: Major (1135): Mathematics and Economics (MATH, ECON) First Year ... Second Year ECON 304, 305 6 MATH 200 (or 226), 215, 220, 221 (or 223) 12 BIOL, ASTR, EOSC, GEOG, or PSYC ⁸ 3 Electives ^{9,10} 9 Total Credits 30 Third and Fourth Years ECON 306, 325 ¹³ , 326, 490 12 MATH 320 3 ECON courses numbered 300 or above 3 ECON courses numbered 400 or above 3 MATH courses numbered 300 or above ¹³ 9 Science courses numbered 300 or above 18 Elective(s) ^{9,10} 12 Total Credits 60 Minimum credits for degree 121 ¹² STAT 200 can substitute for ECON 325. ¹³ Suitable electives include MATH 302, 303, 321, 402, 403, 418, 419, 443. Action: Correct ECON 100 to be ECON 101. Change second year ECON requirement while adding footnote 12 concerning ECON 320. Add ATSC as fulfilling Science degree requirement. Add footnote 12 concerning ECON 320. Change MATH numbered 300 or above requirement from MATH 320 and 9 additional credits to 18 unspecified credits. This reduces the SCIENCE numbered 300 or above requirement to 12 credits. Change required ECON numbered 300 or above requirements to have 15 specified credits and 3 credits electives. Renumber footnotes 12, 13. Extend new footnote 14 to mention MATH 320 as a particularly valuable course.	
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Rationale: The current combined major MATH/ECON does not follow the standard Arts or Science formulas for combined majors. In particular it has fewer credits. The character of the program was to provide preparation for graduate school in Economics and the course MATH 320 provided a very high barrier for graduation. MATH 320 in Real Analysis is a central course in the Honours Math program and has very high standards. An average majors in Mathematics would not succeed in this course. The consequence has been few students graduating in the program despite many students starting in the program. The proposed program would be accessible to more majors students. It would not be preparation for graduate school directly although, of course, the most able students could use it as preparation. We have extended the footnote on suggested Math electives to mention MATH 320 that might be suitable for the most able majors students.

The proposed program includes the Economics Major core in 3rd and 4th year. The program includes 18 credits of first and second year Mathematics courses as a core. It is usual in Mathematics majors to not specify the 3rd and 4th year Mathematics courses.

This proposed program is similar to the B.Sc. combined major STAT and ECON. We have specified that ECON 320 cannot be used to fulfill ECON requirements since it is redundant for mathematically trained students.

PHYSICS AND ASTRONOMY

<p>Effective Date for Change: 06W Proposed Calendar Entry:</p> <p>Major (0524): Physics (PHYS)</p> <p>...</p> <p>5. Admission requirement: overall average of 60% in first-year Physics and Mathematics or permission of the Department Head.</p> <p>...</p>	<p>http://students.ubc.ca/calendar/index.cfm?tree=12,215,410,434 Present Calendar Entry:</p> <p>Major (0524): Physics (PHYS)</p> <p>...</p> <p>5. Admission requirement: overall average of 60% in first-year Physics or permission of the Department Head.</p> <p>...</p> <p>Action: Modify footnote five.</p> <p>Rationale: Student records for the period 1999-2002 show that students who did not achieve an overall average of 60% in first year physics and mathematics were unlikely to succeed in the physics majors program.</p> <p>The second year majors physics program has an equal number of required Physics and Mathematics courses (3 of each).</p> <p>Including mathematics in the admission requirement broadens the admission criteria to performance on four courses rather than two, enabling a more reliable assessment of likely success.</p> <p>Including Mathematics in the admission criteria may enable some student who performed better in first year Mathematics than in first year Physics to enter the Physics majors program who otherwise would not be able to.</p>
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PSYCHOLOGY

Effective Date for Change: 06W

Proposed Calendar Entry:

Cognitive Systems

The Cognitive Systems (COGS) program provides B.Sc. and B.A. degrees in Cognitive Systems via interdisciplinary studies of perception and cognition, from the perspective of one of the following three streams:

1) Cognition and Brain (supervised by Psychology), 2) Language (supervised by Linguistics), 3) Computational Intelligence and Design (supervised by Computer Science).

The aim of the program is to equip graduates with the background competence to be able to enter graduate programs in one of the supervisory disciplines or in cognitive systems/cognitive science itself.

Students registered in the Faculty of Science may enroll in either the Cognition and Brain stream or the Computational Intelligence and Design stream. Faculty of Arts students may enroll in either the Cognition and Brain stream or the Language stream. All students in the program must take a set of team-taught connector courses (COGS 200, 300, 401, and 402), as well as background courses in both Computer Science and Philosophy.

Admission to the program, normally at the end of the first or second year, depends on academic performance. Admission requires a minimum overall average of 68% in the preceding year(s) and a minimum grade of 68% in COGS. However, meeting these acceptance conditions does not guarantee acceptance into the program. Once admitted to the program, students must maintain at least a 67% yearly average for continuation.

For specific program and admission information about the B.Sc. and B.A. degrees in Cognitive Systems see the Faculty of Science entries for Computer Science and Psychology and the Faculty of Arts entries for Linguistics and Psychology.

For current information about the people, institutions and events associated with the Cognitive Systems Program, see the Cognitive Systems website. <http://www.cogsys.ubc.ca>

<http://students.ubc.ca/calendar.index.cfm?tree=12,215,410,681>

Present Calendar Entry:

Cognitive Systems

~~For information on the B.Sc. Major in Cognitive Systems: Cognition and the Brain, see the listing under Psychology, p. 427~~

Action: Replace text so as to provide complete description of Cognitive Systems program at this point in the Calendar. [Corresponding section in Psychology has been changed so as to refer to this section].

Rationale: Creates a more compact format, since Computer Science description can also point to this, rather than being a repetition. This both saves space and makes future changes easier to implement. Also brings the format and description into line with the one being proposed for the B.A. stream of Cognitive Systems, allowing a unity of style for all streams

ATMOSPHERIC SCIENCE

<p>Effective Date Change: 06W Proposed Calendar Entry: ATSC 212 (1) Earth and Atmospheric Science Introductory Computing Laboratory.</p> <p>Computing tools, including Unix/Linux, Web page creation, programming languages used for numerical calculation, database programs. Prerequisites: One of CPSC 111, EOSC 211. [0-2-0]</p>	<p>Present Calendar entry:</p> <p>None.</p> <p>Action: New course.</p> <p>Rationale: To succeed professionally as atmospheric scientists, students need computing skills in addition to the Java programming they learn in CPSC 111 and the Matlab scripting they learn in EOSC 211. The tools to be covered will help them in their subsequent undergrad courses at UBC, and will make them more attractive to industry and government or more successful as graduate students.</p> <p>Supporting Documents: SCI-05-2-ATSC 212</p>
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BIOLOGY

<p>Effective Date for Change: 06W Proposed Calendar Entry:</p> <p>BIOL 436 (3) Integrated Functional Genomics. Global transcript, protein and metabolite profiling technologies, and their integration; applications focus on plant functions and plant interactions with pathogens and pests. Prerequisites: BIOL 335. Equivalent: FNH 436. [3-0-0]</p>	<p>Present Calendar Entry:</p> <p>None.</p> <p>Action: New course.</p> <p>Rationale: Making biological sense out of genome sequences is one of the primary goals of many genome research projects. The functions of a large percentage of the genes identified by genome-sequencing projects are initially predicted using computational methods. The predictions are then validated using experimental evidence from a combination of gene, protein, and metabolite expression/profiling studies. In this introductory course, genome-wide analysis of gene function, using high-throughput transcript, protein and metabolite profiling, in conjunction with bioinformatics, will be discussed. Particular emphasis will be placed on the integration of these complementary approaches to ask specific biological questions.</p> <p>Supporting Documents: SCI-05-02-BIOL 436</p>
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COMPUTER SCIENCE

<p>Effective Date for Change: 06W Proposed Calendar Entry: None.</p>	<p>Present Calendar Entry: CPSC 100 (4) Elements of Computer Science. An introduction to elementary concepts in Computer..... And programming. [3-3-1]</p> <p>Action: Delete course.</p> <p>Rationale: A large part of the material of CPSC 100 is not considered to be university-level material any more. Topics like word processing, spreadsheet basics, MS Access usage, etc. are more</p>
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	appropriate for professional, non-academic, non-credit courses. We plan to replace CPSC 100 with more sections of CPSC 111 which provides a better introduction to the main concepts of Computer Science.
Effective Date for Change: 06W Proposed Calendar Entry: CPSC 121 (4) Models of Computation. Prerequisite: Principles of Mathematics 12. Co-requisite: CPSC 111.	Present Calendar Entry: CPSC 121 (4) Models of Computation. Prerequisite: MATH 12. Action: Change prerequisite, add a co-requisite. Rationale: "MATH 12" is ambiguous as there is more than one mathematics course for grade 12. Principles of Mathematics 12 is the correct grade 12 math prerequisite for this course. The familiarity with programming concepts which is provided by CPSC 111 will help CPSC 121 students to better understand the course material.
Effective Date for Change: 06W Proposed Calendar Entry: CPSC 406 (3) Computational Optimization. Formulation and analysis of algorithms for continuous and discrete optimization problems; linear, nonlinear, network, dynamic, and integer optimization; large-scale problems; software packages and their implementation; duality theory and sensitivity. Prerequisites: MATH 340 and one of CPSC 302, CPSC 320. [3-0-0]	Present Calendar Entry: None. Action: New course. Rationale: Numerical optimization is increasingly recognized as a vital tool in computer science and engineering. It is integral to the design process in many industries. Hence, practitioners are needed who are skilled in framing and modeling optimization problems, and trained in the standard techniques for their solution. This course is designed to provide these skills and knowledge. It will give students an understanding of the computational strengths and weaknesses of the main optimization algorithms and show them how to apply them in practice. It will also give them experience using standard software packages and libraries that they might encounter in industry or graduate school. We expect more demand for this course than our current upper level theoretical courses. Supporting Documents: SCI-05-2-CPSC 406
Effective Date for Change: 06W Proposed Calendar Entry: CPSC 417 (3) Computer Networking. Network protocols and architecture including internetworking, the Internet, layered communication protocols, routing, flow and congestion control, network performance, wired and wireless data communication. Prerequisite: All of CPSC 313, CPSC 317	Present Calendar Entry: CPSC 417 (3) Computer Communications. Layered protocols, packet switching, data communications, and queuing analysis. Data link controls. Virtual circuits, datagrams, network design, routing, flow and congestion control. Satellite and packet radio links. Local area networks.

and one of STAT 200, STAT 241. [3-0-0]	Prerequisites: One of CPSC 313, CPSC 315 and one of STAT 200, STAT 241. [3-0-0] Action: Change the title, description and prerequisites. Rationale: The current title and the description of the courses are obsolete. The revised description represents the current directions and practices in the field. The CPSC 315 prerequisite has been changed to CPSC 313 and CPSC 317 because CPSC 315 has been deleted and is no longer available.
Effective Date for Change: Proposed Calendar Entry: CPSC 444 (3) Advanced Methods for Human Computer Interaction. Design and evaluation methodologies and theories; formal models of the user including visual, motor, and information processing; advanced evaluation methods including laboratory experiments and field studies; HCI research frontiers. Prerequisites: CPSC 344 and one of STAT 200, STAT 241. Co requisites: One of CPSC 319, CPSC 398. [2-2-2]	Present Calendar Entry: CPSC 444 (3) User Interface Design. User-centered design, analysis, prototyping, and evaluation of interactive systems based on formal models of human behavior and software development methodology. (Consult the Credit Exclusion List within the Faculty of Science section of the Calendar). [3-1-0] Action: Replace old course with the new course. Rationale: Last year we created a new course, CPSC 344 that covered some of the material that was covered by the current CPSC 444. This proposal is to update CPSC 444 to take into account the new course. The proposed CPSC 444 maintains most of the material from the old CPSC 444, but is treating that material in more depth and with secondary support through hands-on exercises done in the Problem-Based Sessions. The new title, description and prerequisites reflect these changes. We would also like to point out that the prerequisites of the current entry are wrong. Supporting Documents: SCI-05-2-CPSC 444

EARTH AND OCEAN SCIENCES

Effective Date for Change: 06W Proposed Calendar Entry: EOSC 355 (3) The Planets. Diversity among the planets and moons of the solar system; integrating concepts across scientific disciplines including geology, geophysics and atmospheric science to understand how planets evolve. Prerequisites: Either (a) SCIE 001 or (b) one of MATH 101, MATH 103, MATH 105, MATH 121 and one of CHEM 111, CHEM 121, CHEM 154 and one of PHYS 101, PHYS 107, PHYS 153. [3-0-0]	Present Calendar Entry: None. Action: New course. Rationale: Earth and Ocean Sciences and Physics and Astronomy have sponsored a planetary science program. This course with its companion lab, EOSC 356, will provide an opportunity for students interested in planetary research to experience real, topical problems in planetary science. Also, EOSC 355 will provide an introduction to Planetary Science (and geophysics in general) for EOSC majors focusing in other disciplines. We hope it will be a popular elective course for Science and Applied Science students. In addition, this source
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	<p>will be one of a selected suite of four courses in Earth and Ocean Sciences designed to give General Science students a broad knowledge of physical sciences within EOSC.</p> <p>This course complements the content of ASTR 101 with its focus on the Sun and is at a higher level as it uses university math, chemistry, and physics to take an integrative approach.</p> <p>Supporting Documents: SCI-05-2-EOSC 355</p>
<p>Effective Date for Change: 06W</p> <p>Proposed Calendar Entry:</p> <p>EOSC 356 (1) Introduction to Planetary Science Laboratory.</p> <p>Computer and web-based exercises, visualizations, and reading assignments on current research topics in planetary science.</p> <p>Prerequisites: One of EOSC 211, EOSC 212, MATH 200, MATH 217, MATH 226, MATH 253, MATH 263.</p> <p>Co-requisite: EOSC 355 [0-2-0]</p>	<p>Present Calendar Entry:</p> <p>None.</p> <p>Action: New course.</p> <p>Rationale: Earth and Oceans and Physics and Astronomy have sponsored a planetary science program. This course, with its companion lecture, EOSC 355, will provide an opportunity for students interested in planetary research to experience real, topical problems in planetary science. The labs will expose students to planetary science data sets and models and engage them in research.</p> <p>Supporting Documents: SCI-05-2-EOSC 356</p>

MATHEMATICS	
<p>Effective Date for Change: 06W</p> <p>Proposed Calendar Entry:</p> <p>MATH 322 (3) Introduction to Algebra.</p> <p>...</p> <p>Prerequisite: One of MATH 220, MATH 226 and a grade of 80% or higher in one of MATH 152, MATH 221, or a grade of 68% or higher in MATH 223.</p>	<p>Present Calendar Entry:</p> <p>MATH 322 (3) Introduction to Algebra.</p> <p>...</p> <p>Prerequisite: One of MATH 152 (with 80% or above), MATH 221 (with 80% or above), MATH 223 (with 68% or above) and one of MATH 220, CPSC 121, MATH 226.</p> <p>Action: Change prerequisite, delete CPSC 121.</p> <p>Rationale: The grade requirements have been rewritten in the standard style. CPSC 121 is used as providing a background in 'rigour' for Majors courses. For Honours courses we prefer either MATH 220 or MATH 226. MATH 322 is an honours course. There is no change in the outline or in the library requirements.</p>
<p>Effective Date for Change: 06W</p> <p>Proposed Calendar Entry:</p> <p>MATH 342 (3) Algebra, Coding Theory, and Cryptography.</p> <p>.....</p> <p>Prerequisite: One of MATH 152, MATH 221, MATH 223 and one of MATH 220, MATH 226, CPSC 121.</p>	<p>Present Calendar Entry:</p> <p>MATH 342 (3) Algebra, Coding Theory, and Cryptography.</p> <p>...</p> <p>Prerequisite: One of MATH 152, MATH 221, MATH 223.</p> <p>Action: Add prerequisite.</p> <p>Rationale: Add a requirement for a background in 'rigour' for the proof content of the course. Computer Science majors would typically be unaffected (they</p>

	take CPSC 121 early) but may affect Mathematics majors who delay taking MATH 220. There is no change in the outline or the library requirements.
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PHYSICS AND ASTRONOMY	
Effective Date for Change: 06W	
Proposed Calendar Entry: PHYS 210 (3) Introduction to Computational Physics. Methods and approaches, with applications to mechanics and electromagnetism. Prerequisite: PHYS 102 or PHYS 108 or SCIE 001. Co-requisite: MATH 221 (or MATH 223). [1-0-2; 1-0-2]	Present Calendar Entry: None. Action: New course. Rationale: Computational physics is an essential part of the skill set required to do research in physics. Presently physics students are taught the necessary skills piecemeal in lab courses or are expected to learn the material on their own. As a result a majority of physics students are not adequately prepared for computational assignments in third and fourth year physics courses. No suitable course is offered in the Faculty of Science.
Effective Date for Change: 06W	
Proposed Calendar Entry: PHYS 308 (3) Optics. Physical optics: polarization, Fresnel equation, coherence, interference, diffraction, lasers, holography, Fourier optics. Prerequisites: One of PHYS 102, PHYS 108, PHYS 153, SCIE 001 and one of MATH 217, MATH 227, MATH 317. Co-requisite: MATH 215. [2-3-0]	Present Calendar Entry: PHYS 308 (3) Optics. Physical optics: polarization, Fresnel equation, coherence, interference, diffraction, lasers, holography, Fourier optics. Prerequisites: Either (a) one of PHYS 1021, PHYS 153, SCIE 001 or (b) all of PHYS 108, PHYS 109. [2-3-0] Action: Change prerequisites. Rationale: Based on student experience, first-year courses do not provide adequate preparation for this course. A higher level prerequisite is required. The prerequisites for this course were reduced to first year physics in 2001. This has not worked. Some students have been struggling with this course and the failure rate is unacceptably high. The new prerequisites are the same as for PHYS 301. Programs that include PHYS 308 as a required There is no change in outline or in library requirements.
Effective Date for Change: 06W	
Proposed Calendar Entry: PHYS 348 (3) Frontiers in Physics. Topics in physics with a choice of independent supervised research projects. Prerequisite: Third year standing in a physics honours program or fourth year standing in a physics majors program. [1-0-1]	Present Calendar Entry: None. Action: Create new course. Rationale: This course provides an opportunity for students to carry out a research project and learn about selected frontier topics in physics. Majors physics students do not do the honours

	<p>undergraduate thesis project (PHYS 449) and as a consequence have limited opportunity to carry out research or learn about the latest discoveries in physics.</p> <p>This course involves independent learning similar to a directed studies course or an undergraduate thesis project course, therefore the number of formal meeting times do not reflect the credit value of the course in same way that they do in a lecture course.</p> <p>Supporting Documents: SCI-05-2-PHYS 348</p>

PSYCHOLOGY	
<p>Effective Date for Change: 06W Proposed Calendar Entry:</p> <p>PSYC 469 (3) Psychoneuroimmunology. Research linking psychological characteristics with the immune system, including implications regarding the onset and course of disease. Prerequisites: One of PSYC 314, PSYC 360; and all of MICB 302.</p>	<p>Present Calendar Entry:</p> <p>None.</p> <p>Action: New course.</p> <p>Rationale: The Psychology Department currently offers one course in health psychology (PSYC 314). It is one of the most heavily enrolled and highly rated courses in the Department. Currently, the Department doesn't offer any specialized courses for the many students who want to pursue this area further. A similar problem exists for the Department's major course in behavioral neuroscience (PSYC 360). There is great demand for more in-depth courses in this area, but very few are currently being offered at the 400-level. This proposed course would address both of these problems. It will focus on research in the field of psychoneuroimmunology, which examines connections between behavioral processes and the immune system. The area of research is interdisciplinary, focusing on both psychological and biological mechanisms in disease. For psychology majors, it will build on the knowledge gained in PSYC 314 and PSYC 360. For students coming from a life-science background, it will introduce advanced psychological concepts, and show how they can be integrated with knowledge of biological systems. The interdisciplinary nature of the course should make it appealing to students pursuing B.A. and B.Sc. degrees.</p> <p>Supporting Documents: SCI-05-02-PSYC 469</p>

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

4 May 2006

To: Senate
From: Senate Curriculum Committee

Re: **COLLEGE OF HEALTH DISCIPLINES CURRICULUM REPORT**

Attached please find the following undergraduate proposals for your consideration:

- 1) The following new courses:
 - a. **IHHS 302** (3) Topics in Health Informatics for Health/Life Sciences Students
 - b. **IHHS 408** (3) Topics in Aboriginal Health: Community-Based Learning Experience



UBC Curriculum Proposal Form Change to Course or Program

Category: (1)

Faculty: College of Health Disciplines Faculty Approval Date: Effective Session <u>2006S</u> Term ____	Date: March 10, 2006 Contact Person: Dr. Kendall Ho Phone: 604 639-4668 Fax: 604-630-0827 Email: kho@cpdkt.ubc.ca Alternate email assocdeansec@cpdkt.ubc.ca
Proposed Calendar Entry: IHHS 302 (3) <i>Topics in Health Informatics for Health/Life Sciences Students</i>	Type of Action: new course Rationale: Closely linked to information technology, health informatics is the scientific field that deals with the storage, retrieval and optimal use of information , data and knowledge in the healthcare context. This course is designed for students across life and health sciences disciplines, particularly those planning to pursue a career in the health professions. Students will learn about information technology concepts essential to an understanding of health informatics. This knowledge will prove useful for those planning a career in healthcare, an increasingly high-technology field. Supported by the Teaching and Learning Enhancement Fund of UBC, this project's goal is to develop and deliver two health informatics courses (a one-week intensive summer course and an on-line course). As part of the course development process, the project team hosted <i>Computing Fundamentals for Health Informatics</i> , a two-day health informatics workshop for life and health sciences students at UBC in August 2005. This workshop was an opportunity for students to develop professionally and network with faculty members and fellow students in the life, health and computing sciences. Student attendees participated in the workshop evaluation and provided valuable feedback to inform course



	<p>development.</p> <p>This course provides the opportunity for students to learn about health informatics, subject matter they may not otherwise be exposed to in their regular coursework. Further, the course is developed by an interprofessional team and designed for an interdisciplinary audience. Information technology cuts across all health disciplines. The opportunity to bring students from various disciplines together to learn may contribute to emerging professionals' understanding of collaborative team-based care.</p> <p>Students will learn about the history and development of health informatics across healthcare sectors. In so doing they will collaborate with others and learn about interrelations of disciplines in the healthcare context. Understanding the roles of information and communication technologies in healthcare, underlying principles and key innovations in health informatics, and problem solving regarding implementation issues in an interprofessional grouping, will position students well to make decisions about healthcare careers.</p>
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UBC Curriculum Proposal Form Change to Course or Program

Category: (1)

Faculty: College of Health Disciplines Faculty Approval Date: Effective Session <u>2006S</u> Term ____	Date: March 1, 2006 Contact Person: Drs. Kendall Ho and Robert Woollard Phone: (604) 875-4995 (604) 827-4168 Email: kho@cpdkt.ubc.ca ; assocdeansec@cpdkt.ubc.ca ; woollard@familymed.ubc.ca ; joan.decker@familymed.ubc.ca .
Proposed Calendar Entry: IHHS 408 (3) <i>Topics in Aboriginal Health: Community-based learning experience</i>	Type of Action: new course Rationale: Interprofessional education (IPE) and collaborative patient-centered care (CPCP) have increasingly been recognized as an essential aspect of sustainable health care reform. However, very few opportunities for students to participate in interprofessional learning within an Aboriginal community setting have been established. This course addresses this need by enabling health discipline students to gain direct experience working with Aboriginal patients and community members. By situating academic learning within an intensive four-week immersion program this course offers students a truly unique and memorable learning experience. Key objectives of this course are to (1) address the lack of education in Aboriginal health across health professions by recognizing Aboriginal communities as partners in health education and professional training and (2) promote students' understanding of the roles and responsibilities of other professions when working with Aboriginal patients and communities. This course will enhance student learning at both the general and



discipline-specific levels by utilizing a combination of community-based, immersion activities (enabling students to become more caring, reflective practitioners as a whole) and student-preceptor models of learning (thereby enabling students to become better technical practitioners of their discipline).

Relation to Other IHHS Offerings

This course provides an ideal complement to extant IHHS Aboriginal health courses (namely IHHS 301 and IHHS 404), by enriching students' academic knowledge with an opportunity to learn about and explore topics in Aboriginal health within a real-life setting.

Course Specifics

The Aboriginal community partners for this course are Mount Currie Band (near Pemberton, BC) and Cowichan Band (near Duncan, BC). These communities have been and will remain essential contributors to all aspects of course development, including curriculum design, course implementation, course delivery and evaluation. This course is directed toward health professional students particularly in the areas of medicine, nursing, pharmacy, social work, rehabilitation sciences and dentistry at the undergraduate level. Graduate students and medical residents are also welcome to take this course. Implementation of the pilot course is planned for June/July 2006, with a maximum of 10 student placements (five per community).

The organizers of this course hope to engage students and community preceptors from each of the above mentioned disciplines. If a certain discipline is not able to be represented by a student in each community, remaining students will be paired with a preceptor from the 'missing'



	<p>discipline in order to ensure exposure and understanding of the roles and responsibilities within that disciplines. Similarly, if a specific discipline is not able to be represented by a corresponding preceptor, students will be paired with the community health professional responsible for addressing such needs within that discipline (e.g. a nurse who may also fulfill the role of social worker) and/or paired with a preceptor from the nearby communities of Duncan or Pemberton.</p>
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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Adult Learning and Global Change Degrees Offered: M.Ed. <i>Members</i> Professors Associate Professors Assistant Professors <i>Program Overview</i> <p>UBC, in cooperation with partner universities in Australia (University of Technology, Sydney), South Africa (University of the Western Cape) and Sweden (Linköping University), offers an innovative online, coursework-only, professional program in Adult Learning and Global Change. Instructors in required courses are drawn from these four universities, so students benefit from a truly international instructional staff.</p> <p>This program is for those seeking multiple, critical perspectives on the central role adult learning plays as individuals and</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,231 Present Calendar Entry: Master of Education in Adult Learning and Global Change <p>An intercontinental, web-based, coursework-only professional master's degree focussing on adult learning within the context of global change. This is a collaborative program involving, in addition to UBC, Linköping University (Sweden), University of the Western Cape (South Africa) and University of Technology, Sydney (Australia). The curriculum covers forms of adult learning found in different cultural contexts and the role of learning in understanding and responding to globalizing forces and their impacts on workplaces, communities, economies and the environment. Students proceed through the two-year, 30-credit program as a cohort drawn from the four participating institutions.</p> <p>Admission and other requirements: UBC applicants must meet the admission requirements of the Faculty of Graduate Studies. They must supply a writing sample, letters of reference and a letter of intent, and demonstrate English proficiency. When required, the minimum TOEFL score is 600 (paper based) or 250 (computer based), or the equivalent for other tests of English proficiency. Applicants are reminded that reliable and regular email and Internet access are essential in the program.</p> <p>Students who complete the UBC Certificate in</p>



communities engage with the positive and negative effects of globalization. The program attracts those interested in international development work, cross-cultural education and training, the role of education in addressing various global health and environmental issues, promoting social justice in the face of economic globalization, and learning more about adult education around the world.

Master of Education

Admission Requirements

Applicants to the M.Ed. program are expected to meet the admission requirements of the {I|6755|Faculty of Graduate Studies}.

For detailed information about admission requirements, please see the {H|www.edst.educ.ubc.ca/programs/algc.html|website}.

Program Requirements

Students proceed through the two-year, 30-credit M.Ed. program as a cohort drawn from the four participating institutions and will get to know one another well, working together in various groupings throughout the program.

Required courses are sequenced so that, with careful planning of electives, all requirements can be completed in 24 months. The 9 credits of electives may be taken at any time and are usually selected from on-campus courses (for those in the Vancouver area), from various distance-mode courses at UBC and elsewhere, and from directed studies courses tailored to student interests. For detailed information about course requirements, please see the {H|www.edst.educ.ubc.ca/programs/algc.html|website}.

Contact Information:

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Intercultural Studies through the UBC Centre for Intercultural Communication within five years of being admitted to the M.Ed. in Adult Learning and Global Change will receive 6.0 credits toward elective requirements in the M.Ed.

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Web:

www.edst.educ.ubc.ca/programs/algc.html

Garnet Grosjean, Coordinator



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Agricultural Economics Degrees Offered: M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The Food and Resource Economics (FRE) Group offers the Master of Science (M.Sc.) degree in Agricultural Economics through the Faculty of Graduate Studies.</p> <p>The coursework provides students with rigorous training in applied economics and quantitative methods. Students develop specialized research skills by working with faculty throughout UBC on important real-world issues.</p> <p>FRE faculty members have been involved with projects in a variety of countries throughout Asia and other parts of the world (e.g., food security issues in Indonesia). Formal educational linkages exist that allow</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,194 Present Calendar Entry: <i>Agricultural Economics</i> Degrees Offered <i>M.Sc.</i> Master of Science <p>The Food and Resource Economics (FRE) Group offers the Master of Science (M.Sc.) degree in Agricultural Economics through the Faculty of Graduate Studies.</p> <p>The program can normally be completed in 18 to 20 months. After completing 18 credits of course work, a thesis is written under the guidance of a UBC-wide committee that is chaired by a FRE faculty member.</p> <p>The Ph.D. program is offered in collaboration with units such as the Institute for Resources, Environment and Sustainability (IRES). Course work is selected and the student's research is supervised by a FRE faculty member and an across-campus committee.</p> <p>The course work provides students with rigorous training in applied economics and quantitative methods. Students develop specialized research skills by working with faculty throughout UBC on important real-world issues.</p> <p>FRE faculty members have been involved with projects in a variety of countries throughout Asia</p>



FRE graduate students to study and research abroad.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program will normally possess a Bachelor degree in Agricultural Economics or a related area, and are expected to meet the admission requirements of the {1|6755|Faculty of Graduate Studies}.

Program Requirements

The M.Sc. program can normally be completed in 18 to 20 months. After completing at least 18 credits of coursework, a thesis is written under the guidance of a UBC-wide committee that is chaired by a FRE faculty member. On occasion a course-based option is pursued. With the thesis option, students with an adequate undergraduate background in economic theory, mathematical economics and quantitative methods must complete AGEC 501, Econ 500, Econ 526, Econ 527 and two field courses, which may be at the senior undergraduate level. Students without an adequate background must take additional preparatory courses.

The thesis normally involves identifying a research topic mutually agreed upon by the student and supervising faculty, undertaking an extensive review of the literature, developing the appropriate theoretical framework and then performing some form of empirical analysis.

Contact Information:

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Fax: 604-822-4400

Email: gradapp@interchange.ubc.ca

Web: www.agsci.ubc.ca/grad/agec.htm

Alina Yuhymets, Graduate Programs
Manager

and other parts of the world (e.g., Dr. Richard Barichello has extensive experience with food security issue in Indonesia). Formal educational linkages exist that allow FRE graduate students to study and research abroad.

Contact Information

Faculty of Agricultural Sciences

270-2357 Main Mall

Vancouver, BC V6T 1Z4

Tel: 604-822-4593

Fax: 604-822-4400

Email: gradapp@interchange.ubc.ca

Website: www.agsci.ubc.ca/grad

Ms. Alina Yuhymets, Graduate Programs
Manager

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Anatomy and Cell Biology Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The Division of Anatomy and Cell Biology offers opportunities and facilities for advanced studies in anatomy, cellular biology and neurobiology leading to the Master of Science and Doctor of Philosophy. Members of the Division undertake research programs in a wide range of basic and clinically relevant areas. Special research areas include cell and developmental biology, neurobiology, oncology, immunology, muscular dystrophy, muscle and membrane</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,195 Present Calendar Entry: <i>Anatomy and Cell Biology</i> Degrees Offered <i>M.Sc.</i> <i>Ph.D.</i> Master of Science and Doctor of Philosophy <p>The Department of Anatomy and Cell Biology offers opportunities and facilities for advanced studies in anatomy, cellular biology and neurobiology leading to the Master of Science and Doctor of Philosophy. Members of the Department undertake research programs in a wide range of basic and clinically relevant areas. Special research areas include cell and developmental biology, neurobiology, oncology, immunology, muscular dystrophy, muscle and membrane biophysics, and morphological aspects of cell structure and function at the light and electron microscopic levels.</p> <p>The Department is well equipped and has the following: transmission electron microscopes, fluorescence and photo-microscopes, confocal microscope, video image analysis, freeze-fracturing equipment, ultramicrotomes, molecular biology facilities and equipment,</p>



biophysics, and morphological aspects of cell structure and function at the light and electron microscopic levels.

The division is well equipped and has the following: transmission electron microscopes, fluorescence and photo-microscopes, confocal microscope, video image analysis, freeze-fracturing equipment, ultramicrotomes, molecular biology facilities and equipment, tissue culture facilities, spectro-photometric and radioisotope equipment, electrophysiological instrumentation, laser diffraction equipment and ultracentrifuges.

Doctor of Philosophy

Admission Requirements

Applicants to the Ph.D. program are expected to meet the admission requirements of the {I|6755|Faculty of Graduate Studies}. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Appropriate coursework will be selected in consultation with the student's supervisory committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program will normally possess a bachelor degree in anatomy, cellular biology or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The Master of Science program requires completion of a minimum of 30 credits, including a 12-credit research thesis and at least 18 credits of coursework. Coursework may be selected in consultation with the student's supervisory committee.

tissue culture facilities, spectro-photometric and radioisotope equipment, electrophysiological instrumentation, laser diffraction equipment and ultracentrifuges.

Prerequisite: Bachelor of Science in Life Sciences, Chemistry, Physics, or equivalent, M.D., D.V.M., or D.D.S., or equivalent.

Detailed information on programs leading to the Master of Science and Doctor of Philosophy and pertinent course offerings are available on request from the Department or from the [Anatomy and Cell Biology website](#).

Contact Information

Department of Anatomy and Cell Biology
2177 Wesbrook Mall
Vancouver, BC V6T 1Z3
Tel: 604-822-2578
Fax: 604-822-2316
Email: anatomy@interchange.ubc.ca
Website: www.anatomy.ubc.ca

Ms. Roseanne McIndoe, Administrator

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Contact Information:

Department of Cellular and Physiological
Sciences
2146 Health Sciences Mall
Vancouver, BC V6T 1Z3

Tel: 604-822-2494

Fax: 604-822-6048

Email: alanj@interchange.ubc.ca

Web: www.anatomy.ubc.ca

Alan Jay, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Ancient Culture, Religion and Ethnicity Degrees Offered: M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate program in Ancient Culture, Religion, and Ethnicity offers a course of instruction leading to the Master of Arts (M.A.). For detailed information about the program in Ancient Culture, Religion, and Ethnicity, please consult our {H edziza.arts.ubc.ca/cnrs/display.asp?page=grad_programs website}.</p> Master of Arts Admission Requirements	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,217 Present Calendar Entry: <i>Classical, Near Eastern and Religious Studies</i> Degrees Offered <i>M.A.</i> <i>Ph.D.</i> Classics and Classical Archaeology Master of Arts and Doctor of Philosophy <p>The thesis for the M.A. in Classics may be written in one of the following: Greek language and literature, Latin language and literature, Greek history, Roman history, Greek or Roman archaeology, or ancient philosophy.</p> <p>Major essays may be written in any of these fields by students following the M.A. program with comprehensive examinations. The comprehensive examinations may be weighted toward Greek or Latin studies without concentrating exclusively on either. Satisfactory knowledge of both Latin and Greek is required.</p> <p>The M.A. in classical archaeology is awarded for</p>



Students admitted to the M.A. program must possess a Bachelor of Arts in Classics (Greek and Latin), Classical Studies (non-language program), Near Eastern Studies, Religious Studies, or a related discipline, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

For details on the language prerequisites and requirements, see the program's {H|edziza.arts.ubc.ca/cnrs/display.asp?page=grad_programs|website}.

Program Requirements

The M.A. program requires 30 credits of coursework and two comprehensive examinations. Of the 30 credits, 24 must be numbered 500 or above (graduate courses) and must include CNRS 500, 501, and 579 (3-credit Graduating Paper). The remaining 6 credits may, at the discretion of the program, be at the 300- or 400-level (undergraduate).

Contact Information:

Department of Classical, Near Eastern & Religious Studies
Buchanan C260, 1866 Main Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-2515

Fax: 604-822-9431

Email: cnrs@interchange.ubc.ca

Web:

edziza.arts.ubc.ca/cnrs/display.asp?page=grad_programs

Christine Dawson, Graduate Secretary

successful completion of 30 credits of course work, a major essay, and comprehensive examinations. Brochures describing the M.A. and Ph.D. programs are available from the Department of Classical, Near Eastern, and Religious Studies.

Ancient Culture, Religion and Ethnicity in the Mediterranean and the Near East (ACRE)

Master of Arts

Applicants for admission must meet the minimum requirements of the Faculty of Graduate Studies. This program will involve a broad, multidisciplinary approach to the Ancient Mediterranean and Near Eastern worlds. Cross-cultural perspectives will be encouraged. This program will involve a broad, multidisciplinary approach to the Ancient Mediterranean and Near Eastern worlds. Cross-cultural perspectives will be encouraged.

To be admitted with full standing applicants must hold a bachelor's degree. This will normally be in Classics (Latin and Greek), Classical Studies (non-language program), or Near Eastern/Religious Studies, but could be in a related discipline (e.g. Anthropology, History, Philosophy, Political Science, etc).

Well qualified and highly recommended applicants with the equivalent of a Minor (30 credits) in one of the above areas will be required to complete a further 12 credits during the first year of graduate study. Undergraduate courses taken to complete the Major do not count for credit towards the Master's degree.

Students who do not meet admission requirements may, in exceptional circumstances, and within the limits set down by the Faculty of Graduate Studies, be admitted as qualifying students until they obtain the necessary prerequisites for full admission.

Applicants must have completed at least 6 credits (or equivalent) in one of the classical languages prior to admission (minimum grade: B-/68%): GREK 100 (Introductory classical Greek) or GREK 125 (New Testament Greek) or LATN 100 (Introductory Latin) or HEBR 305 (Introductory Biblical Hebrew) or ARBC 300 (Introductory Classical Arabic). It is strongly recommended that applicants have completed two years of language study before entrance.



Religious Studies

Master of Arts

Advanced study in Religious Studies is offered in the Department of Classical, Near Eastern, and Religious Studies. Candidates may choose any one of the following areas of concentration: Biblical studies; Judaic studies; Christian thought and institutions; Islamic studies; history of religion. The candidate may select a program with thesis (30 credits in course work, including 12 credits for thesis) or without thesis (30 credits in course work, in addition to comprehensives and major essay). A competent reading knowledge of the appropriate languages must be acquired before writing the thesis or comprehensives and major essay.

Further information regarding the M.A. is available on application to the Department. Brochures describing the program in more detail are also available on request. For information regarding programs in Asian Religions consult the Asian Studies Department.

Contact Information

Department of Classical, Near Eastern and Religious Studies
BUCH C260
1866 Main Mall
Vancouver, BC V6T 1Z1
Tel: 604-822-2515
Fax: 604-822-9431
Email: crdawson@interchange.ubc.ca
Website: www.cnrs.ubc.ca

Ms. Christine Dawson, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email: joyce.tom@ubc.ca
Proposed Calendar Entry: Anthropology Degrees Offered: Ph.D. M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>UBC offers graduate study in the fields of socio-cultural anthropology (including legal, medical and ecological anthropology, oral and expressive culture, religion, globalization and applied anthropology), linguistic anthropology, anthropological archaeology, biological anthropology, and museum studies. Faculty research interests include North America, Asia (Russia, India, Japan and Korea), Mesoamerica, South America, Oceania, Europe and Africa. The program provides training in quantitative, qualitative, archaeological and museum methods. Extensive research facilities are available in the Museum of Anthropology, and in the Laboratory of Archaeology. The UBC Library</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,197 Present Calendar Entry: Anthropology Degrees Offered <i>M.A.</i> <i>Ph.D.</i> Program Overview <p>Advanced study in Anthropology is offered in the Department of Anthropology and Sociology. Area interests include North America, East Asia, Mesoamerica, South America, Oceania and Europe. The main fields of socio-cultural anthropology (including political anthropology, medical anthropology, environmental anthropology, oral and aesthetic traditions, contemporary theory and applied anthropology), anthropological archaeology, physical anthropology, and museum studies are strongly represented at both the Ph.D. and M.A. levels (see below). The Department provides training in quantitative, qualitative, archaeological and museum methods. Extensive research facilities are available in the Museum of Anthropology, and in the Laboratory of Archaeology. The UBC Library has excellent collections to support departmental interests, as well as a large collection of microform theses, and the Human Relations Area files. The Department has a dedicated graduate computer lab with a wide range of software to support quantitative and</p>



has excellent collections to support program interests, as well as a large collection of microform theses, and the Human Relations Area files. Anthropology has a dedicated graduate computer lab with a wide range of software to support quantitative and qualitative research. Interdisciplinary contacts are encouraged, and links are maintained with departments and programs such as Asian Studies, the Institute of Asian Research, Linguistics, History, Geography, Sociology and the Centre for Women's Studies and Gender Relations

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess an M.A. degree in Anthropology or a related area, with clear evidence of research ability or potential. (for details, see the M.A. admission requirements below).

Program Requirements

The Ph.D. degree proceeds in two stages. A student first gains full standing as a doctoral student within the program by completing: (a) a 24 months residency, (b) a minimum of 18 credits of coursework, (c) an acceptable research proposal, and (d) satisfactory performance in a comprehensive examination. The coursework will normally include ANTH 506 (3 credits). Candidates then undertake a substantive independent research project normally based in large part on field research which forms the basis for their dissertation. Students are expected to attain their degrees within a maximum of six years.

Master of Arts

Admission Requirements

Students admitted to the M.A. degree program must possess a B.A. degree in Anthropology or an equivalent training in Anthropology, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The M.A. is based upon a combination of

qualitative research. Interdisciplinary contacts are encouraged, and links are maintained with departments and programs such as Asian Studies (which has major library collections), Linguistics, History, Comparative Literature, Geography and Sociology.

Information packages are available from the Department of Anthropology and Sociology's graduate secretary. The packages include information about qualifications for admission, course requirements, examinations, and other details for both the M.A. and Ph.D. programs. For more information please call 604-822-5421. Details of the programs can also be viewed on the [Anthropology and Sociology website](#).

Doctor of Philosophy

The Ph.D. program presents students with the opportunity to structure a course of study towards specific intellectual and practical interests. The program proceeds in two stages. First, a student gains full standing as a doctoral candidate within the Department by completing the following: (a) 24 months residency; (b) 18 credits of course work; (c) an acceptable research proposal; and (d) satisfactory performance in a comprehensive written and oral examination (which must be completed in the first three years of the program). Second, after attaining candidacy, students may then proceed with research (usually based in part upon ethnographic or archaeological fieldwork) and preparation of a Ph.D. dissertation under the supervision of an Advisory Committee. The candidate completes the degree upon successfully defending their dissertation in Departmental and University examinations. Students are expected to attain their degrees within a maximum of six years.

Master of Arts

The M.A. is based upon a combination of course work, research and a thesis. Many students attain their degree within two years of starting the program; it is possible for a well-organized person to complete degree requirements during the first 12 to 18 months of study. Compared to the Ph.D., the M.A. is a structured course of study. Candidates must successfully complete 30 credits: (1) Anthropology 500 (History of Anthropology, 6 credits); (2) an advanced methods course in ethnographic, archaeological or museum studies (3 credits); (3) course work in a specific culture area or region (3 credits); (4) at least 12 credits of elective courses; and (5) after submitting an approved thesis proposal, a 6 credit thesis.



coursework, research and a thesis. Most students attain their degree within two years of starting the program; it is possible for a well-organized person to complete all degree requirements during the first 12 to 18 months of study. Compared to the Ph.D., the M.A. is a structured course of study. Students must successfully complete 30 credits:

- ANTH 500 (History of Anthropology, 6 credits)
- ANTH 506 (Current Research in Anthropology, 3 credits)
- an advanced anthropological methods course (3 credits)
- coursework in a specific culture area or region (3 credits)
- at least 9 credits of elective courses, and
- after submitting an approved thesis proposal, a 6-credit thesis.

Contact Information:

Department of Anthropology and Sociology
6303 NW Marine Drive
Vancouver, BC V6T 1Z1

Tel: 604-822-5421

Fax: 604-822-6161

Email: ansograd@interchange.ubc.ca

Web: www.anso.ubc.ca

Dan Naidu, Graduate Secretary

Contact Information

Department of Anthropology and Sociology
6303 NW Marine Drive
Vancouver, BC V6T 1Z1
Tel: 604-822-5421
Fax: 604-822-6161
Email: ansograd@interchange.ubc.ca
Website: www.anso.ubc.ca

Ms. Anna Jubilo, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Applied Science Department: School of Architecture and Landscape Architecture Faculty Approval Date: 10 November 2005 Effective Session W Term 2 Year 2005 for Change	Date: 14 November 2005 Contact Person: Christopher Macdonald Phone: 604 822.2377 Email: cmac@arch.ubc.ca
Proposed Calendar Entry: Architecture Degrees Offered: M.Arch., M.A.S.A. Members Professors R. J. Cole, C. Macdonald, P. Patkau, J. Wojtowicz. Associate Professors L. Brock, S. Herrington, S. McKay, G. S. Wagner, D. Weiner. Assistant Professors J. Bass, M. Fujita, O. Lang, O. Neumann, I. Roecker. Program Overview Architecture offers graduate education in both professional and research degree programs: the Master of Architecture	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,201 Present Calendar Entry: Architecture Degrees Offered: M.Arch. M.A.S.A. Members Professors R. J. Cole, P. Patkau, J. Wojtowicz. Associate Professors L. Brock, C. Macdonald, S. McKay, G. S. Wagner, D. Weiner. Assistant Professors J. Bass, M. Fujita, O. Lang, O. Neumann, I. Roecker. Program Overview The School of Architecture offers graduate education in both professional and research degree programs: the Master of Architecture (M.Arch.) and the Master of Advanced



(M.Arch.) and the Master of Advanced Studies in Architecture (M.A.S.A.) respectively. While Architecture does not at present offer a Ph.D. program, it does support advanced Ph.D. study in architecture through the Ph.D. program in {I|11108|Interdisciplinary Studies}.

Master of Architecture

The M.Arch. program is an accredited professional graduate program for those with an undergraduate degree who wish to pursue professional studies in architecture as a prerequisite to becoming a registered architect.

The full program is 119 credits. Students entering the program with an undergraduate degree normally take three and one-half years of full-time study to complete the requirements. Students holding a pre-professional architecture degree will be considered for advanced placement. At the time of application, the program's Admissions Committee will determine the extent of advanced placement on the basis of the applicant's undergraduate transcript and portfolio.

Admission Requirements

Students admitted to the M.Arch. degree program normally possess a Bachelor's degree, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies. Applicants should demonstrate interest and potential in the creative arts and architecture.

Candidates for admission are evaluated on the following components of the application: academic transcripts, statement of interest, biographical statement, portfolio, letters of reference, and TOEFL where applicable.

Program Requirements

The full program includes a sequence of structured core coursework, 15 credits of electives and a major Graduation Project.

For detailed information, please see the {I|4766|Architecture} section as well as the {H|www.arch.ubc.ca| Architecture website}.

Master of Advanced Studies in Architecture

The M.A.S.A. program is a post-professional graduate program primarily for those with a

Studies in Architecture (M.A.S.A.) respectively. While the School of Architecture does not at present offer a Ph.D. program, it does support advanced Ph.D. study in architecture through the Ph.D. program in {I|11108|Interdisciplinary Studies}.

Master of Architecture

The M.Arch. program is an accredited professional graduate program for those with an undergraduate degree who wish to pursue professional studies in architecture as a prerequisite to becoming a registered architect.

Admission Requirements

Students admitted to the M.Arch. degree program normally possess a Bachelor degree, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies. Applicants must demonstrate aptitude for the study of architecture and creative potential.

Students holding a pre-professional architecture degree (e.g., Bachelor of Environmental Design][including the UBC B.EnD. degree], Bachelor of Science or Bachelor of Arts with a Major in Architecture) will be considered for advanced placement on the basis of the applicant's undergraduate transcript and portfolio.

Candidates for admission are evaluated on the following components of the application: academic transcripts, statement of interest, biographical statement, portfolio, letters of reference and TOEFL where applicable.

Program Requirements

The full program is 119 credits, requiring 3.5 years of full-time study.

For detailed information, please see the {I|4766|School of Architecture} section as well as the {H|www.arch.ubc.ca|School of Architecture website}.

Master of Advanced Studies in Architecture

The M.A.S.A. program is a post-professional graduate program primarily for those with a professional degree in architecture or a related field who wish to expand their knowledge in a particular branch of architectural studies. The program does not fulfill the educational requirements for



professional degree in architecture or a related field who wish to expand their knowledge in a particular branch of architectural studies. The program does not fulfill the educational requirements for architectural registration. Major research thrusts within the M.A.S.A. program include environmental imperatives, history and cultural studies, advanced design research, urban design and community activism, advanced research in digital applications.

Admission Requirements

Students admitted to the M.A.S.A. degree program minimally possess a Bachelor degree, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Candidates for admission are evaluated on the following components of the application: academic transcripts, statement of research interest, biographical statement, portfolio of professional or academic work, letters of reference, and TOEFL where applicable.

Program Requirements

Students must complete a minimum of thirty credits including the following: a three-credit course in architectural research methodology in architecture, fifteen credits of approved coursework and a twelve credit thesis.

The degree can be completed in 16 months with two terms of full-time residency required.

For detailed information, please see the {I|4825|Architecture} section as well as the {H|www.arch.ubc.ca|Architecture website}.

Contact Information:

Architecture
402-6333 Memorial Road
Vancouver, BC V6T 1Z2

Tel: 604-822-2779
Fax: 604-822-3808
Email: soadmit@interchange.ubc.ca
Web: www.arch.ubc.ca

Trish Poehnell, Graduate Admissions
Secretary

architectural registration. Major research thrusts within the M.A.S.A. program include environmental imperatives, history and cultural studies, advanced design research, urban design and community activism, advanced research in digital applications.

Admission Requirements

Students admitted to the M.A.S.A. degree program normally possess a Bachelor degree, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Candidates for admission are evaluated on the following components of the application: academic transcripts, statement of research interest, biographical statement, portfolio of professional or academic work, letters of reference and TOEFL where applicable.

Program Requirements

Students must complete a minimum of thirty credits including the following: a three-credit course in research methodology, fifteen credits of approved coursework and a twelve credit thesis.

The degree can be completed in 16 months with two terms of full-time residency required.

For detailed information, please see the {I|4825|School of Architecture} section as well as the {H|www.arch.ubc.ca|School of Architecture website}.

Contact Information:

School of Architecture
402-6333 Memorial Road
Vancouver, BC V6T 1Z2

Tel: 604-822-2779
Fax: 604-822-3808
Email: soadmit@interchange.ubc.ca
Web: www.arch.ubc.ca

Trish Poehnell, Graduate Admissions
Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email: joyce.tom@ubc.ca
Proposed Calendar Entry: Archival Studies Degrees Offered: M.A.S. Members Professors Associate Professors Assistant Professors Program Overview <p>The Master of Archival Studies (M.A.S.) program is a professional degree program. Archival work is related to that of many other disciplines, including history, political science, business administration, and sociology. The program is unique in North America as the only separate graduate degree program in the field. Graduates obtain positions as archivists and records managers across Canada in businesses, government agencies, religious bodies, and institutions; some engage in freelance work.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,202 Present Calendar Entry: <i>Archival Studies</i> Degrees Offered <p>M.A.S., M.A.S./M.L.I.S., Ph.D.</p> Master Of Archival Studies <p>The Master of Archival Studies (M.A.S.) program is a professional degree program, open to those holding a bachelor's degree considered suitable by the admissions committee and which meets the minimum admission requirements of the Faculty of Graduate Studies. Archival work is related to that of many other disciplines, including history, political science, business administration, and sociology. The program is unique in North America as the only separate graduate degree program in the field. Graduates obtain positions as archivists and records managers across Canada in businesses, government agencies, religious bodies, and institutions; some engage in freelance work.</p> <p>The program comprises 48 credits including an optional thesis and an optional internship. Students must begin the program in September of a year and normally cannot complete it before April of the second year following. The full-time Core of required courses occupies the first Winter Session. The internship, if taken, can be expected to occupy much of a summer.</p>



Master of Archival Studies

Admission Requirements

The Program is open to those holding a bachelor's degree considered suitable by the admissions committee and who meet the minimum admission requirements of the Faculty of Graduate Studies. In addition, applicants must show promise of superior professional performance as attested by letters of reference and the SLAIS Questionnaire. For details on admission requirements, please see <http://www.slais.ubc.ca/ADMISSIONS/admission-s-mas.htm>

Program Requirements

The program comprises 48 credits including an optional thesis and an optional internship. Students must begin the program in September of a year and normally cannot complete it before April of the second year following. The full-time Core of required courses occupies the first Winter Session. The internship, if taken, can be expected to occupy much of a summer. University, public, and other archives within easy reach provide models of archival practice. The application of archival theory is also demonstrated through field trips in courses.

Contact Information:

School of Library, Archival and Information Studies
TEF III, Suite 301, 6190 Agronomy Road
Vancouver, BC V6T 1Z3

Tel: 604-822-2404

Fax: 604 822 6006

Email: slaisad@interchange.ubc.ca

Web: www.slais.ubc.ca

Joe Kwan, Grad Admissions Secretary

University, public, and other archives within easy reach provide models of archival practice. The application of archival theory is also demonstrated through field trips in courses.

Joint Master Of Archival Studies/Master of Library and Information Studies Degree Program

The Joint Degree Program is designed to allow students to earn both an M.A.S. and an M.L.I.S. For further information, see [*Joint M.A.S./M.L.I.S.*](#) under the School of Library, Archival and Information Studies, or contact the School of Library, Archival and Information Studies.

Doctor of Philosophy in Library, Archival and Information Studies

The School of Library, Archival and Information Studies offers a Ph.D. program. Students may orient their coursework and dissertation to specialize in archival studies. For details on admission and program requirements, see the section on the doctoral program under the [*School of Library, Archival and Information Studies*](#), or contact the School.

Contact Information

School of Library, Archival and Information Studies
301–6190 Agronomy Road
Vancouver, BC V6T 1Z3
Tel: 604-822-2404
Fax: 604-822-6006
Email: slais.admissions@ubc.ca
Website: www.slais.ubc.ca

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.





Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email: joyce.tom@ubc.ca
Proposed Calendar Entry: Archival Studies and Library Information Studies Degrees Offered: M.A.S./M.L.I.S. <i>Members</i> Professors Associate Professors Assistant Professors <i>Program Overview</i> <p>The Joint Degree Program is designed to allow students to earn both a Master of Archival Studies and a Master of Library and Information Studies within a reasonable period of time (generally between three and five years). Students considering this option should carefully read the descriptions for each of the two individual degrees. Students who wish to complete the Joint Degree Program should indicate this as early as possible, preferably on their application submitted to the School prior to admission, or following admission by speaking to a faculty advisor.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,267 Present Calendar Entry: <i>Library and Information Studies</i> Degrees Offered <i>M.A.S./M.L.I.S., M.L.I.S. Ph.D.</i> Master of Library and Information Studies <p>The Master of Library and Information Studies (M.L.I.S.) is a professional degree program open to those holding a bachelor's degree considered suitable by the admissions committee, and which meets the minimum admission requirements of the Faculty of Graduate Studies. Those applying to enter the program are expected to have a strong foundation in some specialist studies but also an enthusiasm for information and its uses in the wider sense. The program, accredited by the American Library Association, is one of some fifty in North America, including seven in Canada, which gives its graduates professional stature. Graduates employed in academic, public, school, special libraries, or other information agencies combine work with information and its users with some aspects of supervision knowledge management services. Graduates not working in libraries as such are to be found in a wide variety of positions involving the uses of information in</p>



Master of Archival Studies with Master of Library and Information Studies

Admission Requirements

For admission to the Joint Degree Program, the applicant must:

- possess a four-year bachelor's degree, or its equivalent, from a recognized university in a discipline acceptable to the SLAIS Admissions Committee for the program
- have achieved a minimum overall average in the "B+" range (76% at UBC) in third- and fourth-year level courses of a bachelor's degree; and
- show promise of superior professional performance as attested by letters of reference and a personal written statement.

An applicant who has a bachelor's degree that does not meet the requirement of a 76% average should contact the Coordinator of Admissions to discuss qualifying coursework.

For detailed information, please see

<http://www.slais.ubc.ca/ADMISSIONS/admissions-joint.htm>

Program Requirements

The two master's degrees, M.A.S. and M.L.I.S., are awarded on the completion of 81 credits of work approved by the School plus required non-credit studies such as the practicum in the M.L.I.S. program. Students must complete the following:

1. the required courses in the M.L.I.S. program: LIBR 500, 510, 540, 560, 570, 590, and two three-credit LIBR elective courses (21 credits);
2. the required courses in the M.A.S. program: ARST 510, 515, 516, 520, 530, 540, and 587 (21 credits);
3. either LIBR 500 or ARST 593B (3 credits);
4. fifteen credits in the M.L.I.S. program;
5. fifteen credits in the M.A.S. program; and
6. six additional credits in either program.

Students in the two degrees should not take courses outside those offered in the M.A.S. and M.L.I.S. programs.

Practicum

A required non-credit practicum provides

their broadest context; many are self-employed.

The degree is awarded on successful completion of 48 credits including an optional thesis, plus a non-credit practicum. Much of the program, which can include Summer Session courses, may be taken on a part-time basis (i.e., taking less than a full load of courses). Students may begin the program in either September or January, but part-time studies are best begun in September. The required practicum and field trips in courses, the option of formal professional experience, and the use of some practitioners as adjunct professors assure a practical orientation to the theory of information management.

Joint Master of Archival Studies/Master of Library and Information Studies Degree Program

The Joint Degree Program is designed to allow students to earn both an M.A.S. and an M.L.I.S. For further information, see [*Joint M.A.S./M.L.I.S.*](#) under the School of Library, Archival and Information Studies, or contact the School of Library, Archival and Information Studies.

Doctor of Philosophy in Library, Archival and Information Studies

The School of Library, Archival and Information Studies offers a Ph.D. program. Students may orient their coursework and dissertation to specialize in library and information studies. For details on admission and program requirements, see the section on the doctoral program under the [*School of Library, Archival and Information Studies*](#), or contact the School.

Contact Information

School of Library, Archival and Information
Studies
301-6190 Agronomy Road
Vancouver, BC V6T 1Z3
Tel: 604-822-2404
Fax: 604-822-6006
Email: slais.admission@ubc.ca
Website: www.slais.ubc.ca

Type of Action:
Edit Calendar entry.

Rationale:



direct library experience under actual library operating conditions. In addition, some field experience in an archival repository is highly desirable for a student who has had limited prior contact with the work of the practicing archivist. These two work experiences will be scheduled in consultation with the student's advisors.

Thesis

A student with research interests may elect to write a thesis in one of the two fields, but not both. Consultation with the appropriate faculty advisor should begin before the student has completed one-half of the required courses.

Contact Information:

School of Library, Archival and Information Studies
TEF III, Suite 301, 6190 Agronomy Road
Vancouver, BC V6T 1Z3

Tel: 604-822-2404

Fax: 604-822-6006

Email: slaisad@interchange.ubc.ca

Web: www.slais.ubc.ca

Joe Kwan, Grad Admissions Secretary

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email: joyce.tom@ubc.ca
Proposed Calendar Entry: Art History (CCST) Degrees Offered: M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>The Department of Art History, Visual Art, and Theory offers the Critical and Curatorial Studies Program, a stream leading to the Masters of Arts (M.A.) in Art History (Critical Curatorial Studies). Critical and Curatorial Studies aims to address the growing need for curators and critics who have theoretical knowledge and practical experience in analyzing institutions, preparing displays, and communicating about contemporary art.</p> <p>For information on additional graduate programs in the Department of Art History, Visual Art, and Theory (Ph.D., M.A., and M.F.A.), please refer to the section on Fine Arts. www.finearts.ubc.ca</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,240 Present Calendar Entry: <i>Art History, Visual Art, and Theory</i> Degrees Offered <i>M.A., M.F.A.</i> <i>Ph.D.</i> Program Overview <p>The Department of Art History, Visual Art, and Theory offers opportunities for advanced study of art history in the major periods of European and North American art, in certain areas of Asian art and in the indigenous arts of the Americas leading to the Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.). It also offers advanced studies in studio work, leading to the Master of Fine Arts (M.F.A.).</p> Doctor of Philosophy <p>The Ph.D. in Art History encourages high scholastic achievement, original research, and firm theoretical grounding. Normally, admission to the Ph.D. requires the completion of an M.A. in Art History, including reading knowledge of one language other than English. Students with master's degrees in related fields may be required to complete additional art history courses for their Ph.D. program.</p>



Master of Arts

Admission Requirements

Students admitted to the M.A. degree program must normally have preparation in the discipline equivalent to the undergraduate major in Art History at UBC, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies. Students wishing to apply for this concentration must specify Critical and Curatorial Studies in a written application to the Department of Art History, Visual Art, and Theory.

Program Requirements

The degree requires 30 credits of which 15-credits are in Critical and Curatorial Studies courses, plus a major paper worth three credits. A minimum of six credits must be selected from the graduate-level courses in the Department of Art History, Visual Art, and Theory with the ARTH course designation. Up to six elective credits may be graduate courses selected from outside of the Department.

Program Courses:

- CCST 500: Seminar in Historical Frameworks for Critical Curatorial Studies (3 credits), and
- CCST 501: Seminar in Contemporary Contextual Issues for Critical and Curatorial Practice (3 credits)
- CCST 502: Case Studies in Exhibitions and Institutions (3 credits)
- CCST 503: Graduate Practicum (6 credits)
- CCST 504: Major Paper (3 credits)

Contact Information:

Department of Art History, Visual Art, and Theory
403-6333 Memorial Road
Vancouver, BC V6R 1Z2

Tel: 604-822-5650

Fax: 604-822-9003

Email: ahvagrads@interchange.ubc.ca

Web: www.finearts.ubc.ca

TBA, Graduate Secretary

The program involves coursework, a language requirement, two comprehensive examinations, a thesis proposal, a round table presentation and a Ph.D. thesis. Students are normally required to take course work at the 500 level, including ARTH 571, the Methodology Seminar, unless it has been taken within the previous five years. Exams require students to be proficient in both a major and a minor field, in order to qualify them for both doctoral thesis research and university teaching. Reading knowledge of a second language, other than English, (the first language having been required for the M.A.), relevant to the field of study is also required. Students are admitted to candidacy once they have completed the residency period, all required coursework, the language requirement, and passed the candidacy examinations.

Master of Arts: M.A. in Fine Arts (Art History)

The M.A. in Art History is a two-year program with thesis, designed to instruct students in methods of research and presentation of scholarly materials. It qualifies them for professional work in the discipline. Applicants for the M.A. Program in Art History should have preparation in the discipline equivalent to the undergraduate major at UBC.

The M.A. degree requires 30 credits of which 24 credits must be in courses numbered 500 or above. These will include the Methodology Seminar (ARTH 571, 6 credits) and the Master's Thesis (ARTH 599, 6 credits). Reading knowledge of one language other than English and relevant to the field of study is required.

Master of Arts: M.A. in Art History (Critical and Curatorial Studies)

Critical and Curatorial Studies is a stream within the Department of Art History, Visual Art, and Theory; students will receive a Master of Arts in Art History (Critical and Curatorial Studies). The degree requires 30 credits of which 15-credits are in Critical and Curatorial Studies courses, plus a major paper worth 3 credits. A minimum of 6 credits must be selected from the graduate-level courses in the Department of Art History, Visual Art, and Theory with the ARTH course designation. Up to six elective credits may be graduate courses selected from outside of the Department. Students wishing to apply for this concentration must specify Critical and Curatorial Studies in a written application to the Department of Art History, Visual Art, and Theory.



Program Courses:

- CCST 500, Seminar in Historical Frameworks for Critical Curatorial Studies (3 credits), and
- CCST 501, Seminar in Contemporary Contextual Issues for Critical and Curatorial Practice (3 credits)
- CCST 502, Case Studies in Exhibitions and Institutions (3 credits)
- CCST 503, Graduate Practicum (6 credits)
- CCST 504, Major Paper (3 credits)

Master of Fine Arts (Studio Art)

The program provides a period of intensive conceptual and technical development for those students wishing to pursue a professional career in advanced contemporary art. The M.F.A. degree is also the standard qualifying degree for teaching visual arts at the post-secondary level. The M.F.A. program is dedicated to helping students understand both the making and theorizing of the art object against the background of the diverse intellectual environment of a major university.

Students in the program may work in any area of contemporary art production including painting, drawing, printmaking, three-dimensional and installation work, photography, digital, multimedia, or in any interdisciplinary form. The program does not include training in applied art, commercial art and design, film or television.

Applications will be considered from persons who hold a bachelor's degree and satisfy the requirements for admission to Graduate Studies. Applicants normally hold a B.F.A., B.A. or B.Ed. degree with a major in Studio Art. It is strongly advised that, at a minimum, an applicant have 18 academic credits (i.e. non-studio courses) at the 300 level or above, with at least a B- (68%) standing in each. This is to ensure that, if admitted, the student will benefit from the academic components of the program.

Important consideration governing the admission process is the assessment of the portfolio submitted as evidence of artistic standing. Assessment is also based on the Statement of Intent, letters of reference, academic record, published writing or other evidence of achievement.



The M.F.A. program requires two academic years of course work and completion within two years (24 months) minimum and five years (60 months) maximum after initial registration. The specific requirements are as follows:

1. VISA 581 (12 credits) and VISA 582 (12 credits). These seminars constitute an integrated, two-year Visual Art program worked out in consultation with the student, leading to the final major paper and exhibition.
2. Academic courses, numbered 400 or above, carrying a total of 12 credits.

The M.F.A. degree is awarded after the successful completion of all course work, the round-table presentation, a final exhibition of art work and completion of a major paper. The final exhibition of work must demonstrate to the satisfaction of the faculty the candidate's capacity for independent creative work. The major paper should focus on a topic related to the student's own interests and artistic practice placing the creative work in the context of both the intellectual interests of the candidate and a wider field of study. At least one external examiner will be involved in the examination of the final presentation and major paper.

Contact Information

Department of Art History, Visual Art and Theory
403 - 6333 Memorial Road
Vancouver, BC V6T 1Z2
Tel: 604-822-5650
Fax: 604-822-9003
Email: whitneyf@interchange.ubc.ca
Website: www.finearts.ubc.ca
Ms. Whitney Friesen, Secretary to the Head & Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.





Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email: joyce.tom@ubc.ca
Proposed Calendar Entry: Asian Studies Degrees Offered: Ph.D. M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>UBC's Asian Studies Department is the flagship Asian Studies department in Canada, and is widely acknowledged as one of the finest in North America.</p> <p>In many ways, UBC Asian Studies is a representative department within our Faculty of Arts. It has over twenty regular faculty, as well as an exceptionally well-qualified pool of instructors and sessional instructors.</p> <p>The program has grown since its inception, but this growth became explosive during the 1980s and 1990s, reflecting the demographic</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,204 Present Calendar Entry: <i>Asian Studies</i> Degrees Offered <i>M.A.</i> <i>Ph.D.</i> Program Overview <p>There are good facilities for advanced work in various fields of Asian Studies. The purchase in 1959 of the P'u-pan collection gave the University of British Columbia one of the major Chinese libraries in North America. Subsequent purchases have served to consolidate this position. A good foundation for the Japanese collection was laid by the acquisition of books from the libraries of the late E.H. Norman and G.B. Sansom and by the purchase of a Tokugawa Map Collection. The UBC Library is also a depository for Japanese government publications. The library's holdings now exceed 410,500 volumes in East Asian languages in addition to substantial holdings in Western languages and micro-form. The Library also has a growing collection related to South Asia. And the founding in 1968 of the Shastri Indo-Canadian Institute, in which the University is a founder-member and major participant, is greatly assisting this development. It is estimated that the present extent of the</p>



shifts of Greater Vancouver. Where most of its counterparts at leading universities might offer instruction in Chinese and Japanese, and perhaps Korean, UBC-Asian Studies adds Hindi, Urdu, Sanskrit, Punjabi and Indonesian to this list and it is hoping to offer a term of Tibetan. We have by far the largest and - in terms of issues related to heritage language learning - most complex programs in Chinese and Japanese language in North America, with thousands of registrations between just these two.

Doctor of Philosophy

Admission Requirements

The program in Asian Studies offers the Doctor of Philosophy in Asian Studies, focusing on the fields of language, literature, and pre-modern history, linguistics, religion and thought and cultural studies. It also provides language training for those doing graduate work relating to China, Japan, and South Asia in other departments. Those interested in graduate studies relating to Asia in fields such as modern history, political science, economics, sociology, geography, anthropology, fine arts, etc., should apply to the departments concerned.

Admission to the Ph.D. program in Asian Studies normally requires an M.A. in Asian Studies or its equivalent. Applicants for the Ph.D. must have - prior to admittance - an adequate command of Chinese, Japanese, Hindi/Urdu, Punjabi, Sanskrit, Korean or Indonesian. In the case of Chinese, this will normally mean a competent reading knowledge of both modern and classical forms of the language.

Program Requirements

All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Arts

Admission Requirements

collection in Indic languages such as Hindi, Urdu, Punjabi, Sanskrit, Prakrit, Bengali, Marathi and Tamil is 51,000 volumes. In addition, there are publications bearing on South Asian studies in micro-form and in Western languages. The Library is now building its collection of Indonesian and Korean materials.

Doctor of Philosophy

The Department of Asian Studies offers the Doctor of Philosophy in Asian Studies, focusing on the fields of language, literature, and pre-modern history, linguistics, religion and thought and cultural studies. It also provides language training for those doing graduate work relating to China, Japan, and South Asia in other departments. Those interested in graduate studies relating to Asia in fields such as modern history, political science, economics, sociology, geography, anthropology, fine arts, should apply to the departments concerned.

Admission to the Ph.D. program in Asian Studies normally requires an M.A. in Asian Studies or its equivalent. Candidates for the Ph.D. must have before admittance an adequate command of Chinese, Japanese, Hindi/Urdu, Punjabi, Sanskrit, Korean or Indonesian. In the case of Chinese, this will normally mean a competent reading knowledge of both modern and classical forms of the language.

Master of Arts

Programs leading to the Master of Arts are available in the areas stated above for the Doctor of Philosophy.

Admission to the M.A. program in Asian Studies normally requires a Bachelor of Arts with first-class standing in Chinese, Japanese, Korean or South Asian languages. This implies four years of language study. The Department is prepared to accept a limited number of students who are otherwise well-qualified and show linguistic aptitude but have less than this amount of preparation in language. Such students will be required to spend one or two extra years in their M.A. program making up this deficiency.

Contact Information

Department of Asian Studies
403-1871 West Mall
Vancouver, BC V6T 1Z2
Tel: 604-822-5728
Fax: 604-822-8937
Email: asiagrad@interchange.ubc.ca
Website: www.asia.ubc.ca



Admission to the M.A. program in Asian Studies normally requires a Bachelor of Arts with First class standing in Chinese, Japanese, Korean or South Asian languages. This implies a minimum of four years of language study prior to undertaking the M.A. The program is prepared to accept a limited number of students who are otherwise well-qualified and show linguistic aptitude but have less than this amount of preparation in language. Such students will be required to spend one or two extra years in their M.A. program making up this deficiency.

Program Requirements

The Master of Arts (M.A.) program in Asian Studies consists of a minimum of 30 credits (including a 12 credit thesis). We do not accept part-time study for this Program. For details, please see, www.asia.ubc.ca/grad/requirements.htm

Contact Information:

Department of Asian Studies
403-1871 West Mall
Vancouver, BC V6T 1Z2

Tel: 604-822-5728
Fax: 604-822-8937
Email: asiagrad@interchange.ubc.ca
Web: www.asia.ubc.ca

Jasmina Miodragovic, Graduate Secretary

Ms. Jasmina Miodragovic, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

<p>Faculty: Science Department: Earth and Ocean Sciences Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change</p>	<p>Date: Contact Person: Joyce Tom Phone: Email: joyce.tom@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>Atmospheric Science</p> <p>Degrees Offered: Ph.D., M.Sc.</p> <p>Members</p> <p>Professors</p> <p>Associate Professors</p> <p>Assistant Professors</p> <p>Program Overview</p> <p>Programs leading to the M.Sc. and Ph.D. are offered by the Atmospheric Science program under joint sponsorship of the Department of Earth and Ocean Sciences and the Department of Geography. Areas of graduate research are:</p> <ul style="list-style-type: none"> • Boundary layer and micrometeorology, including turbulence and urban meteorology; • Weather, including mesoscale meteorology, numerical weather prediction and weather disasters; • Air pollution and atmospheric chemistry; • Climate, including climatology, climate 	<p>URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,206</p> <p>Present Calendar Entry:</p> <p><i>Atmospheric Science</i></p> <p>Degrees Offered</p> <p><i>M.Sc.</i> <i>Ph.D.</i></p> <p>Master of Science and Doctor of Philosophy</p> <p>Programs leading to the M.Sc. and Ph.D. are offered by the Atmospheric Science program under joint sponsorship of the Department of Geography and the Department of Earth and Ocean Sciences. Biometeorology students in Soil Science also have the option to work toward the Atmospheric Science graduate degrees. Areas of graduate research are</p> <ul style="list-style-type: none"> ▪ Atmospheric Science, including meteorology, atmospheric boundary layers, turbulence, mesoscale meteorology, numerical weather prediction, atmospheric physics, urban meteorology, air pollution and environmental meteorology, climatology, and instrumentation; ▪ Oceanography, including atmospheric aspects such as wind-driven currents,



variability and prediction, earth system modelling, climate change, remote sensing of clouds;

- Ocean-atmosphere interactions;
- Biometeorology, including agricultural and forest meteorology; and
- Geophysical fluid dynamics.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a Master's degree in an area of Science or Applied Science, with clear evidence of research ability or potential. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

The Ph.D. consists of either EOSC 571 or GEOG 500, independent study, a spring review at the end of the first year, a comprehensive examination (oral and written components) during the second year, and research leading to a written dissertation that is defended in an oral final examination.

Additional coursework may be selected in consultation with the student's supervisory committee.

Master of Science

Admission Requirements

Students admitted to the M.Sc. program normally possess a bachelor degree in an area of Science or Applied Science and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The M.Sc. program consists of 12 credits of thesis with an oral thesis defense, and 18 credits of coursework, or 30 credits of coursework and an essay.

atmosphere-ocean interaction, coupled atmosphere-ocean dynamic models, and climate prediction; and

- Biometeorology, including agricultural and forest meteorology, and micrometeorology.

The M.Sc. program consists of 12 credits of thesis with an oral thesis defence, and 18 credits of course work, or 30 credits of course work and an essay. The Ph.D. consists of either GEOG 500, or EOSC 571, independent study, a spring review at the end of the first year, a comprehensive examination (oral and written components) during the second year, and research leading to a written dissertation that is defended in an oral final examination.

Contact Information

Department of Earth and Ocean Sciences
6339 Stores Road
Vancouver, BC V6T 1Z4
Tel: 604-822-2713
Fax: 604-822-6088
Email: aallen@eos.ubc.ca
Website: www.eos.ubc.ca

Ms. Alex Allen, Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

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Contact Information:

Department of Earth and Ocean Sciences
6339 Stores Road
Vancouver, BC V6T 1Z4

Tel: 604-822-2713

Fax: 604-822-6088

Email: aallen@eos.ubc.ca

Web: www.eos.ubc.ca

Alex Allen, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email: joyce.tom@ubc.ca
Proposed Calendar Entry: Audiology and Speech Sciences Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The School of Audiology and Speech Sciences endeavours to advance knowledge of human communication and its disorders by actively engaging in research, and by educating individuals to become audiologists, speech-language pathologists, and researchers. In its teaching and research programs, the School emphasizes both the importance of basic science to the understanding of communication disorders and the relevance of clinical data to theories of human communication.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,207 Present Calendar Entry: <i>Audiology and Speech Sciences</i> Degrees Offered <i>M.Sc. Ph.D.</i> Doctor of Philosophy <p>The School of Audiology and Speech Sciences offers a program leading to the Doctor of Philosophy with specialization in one of the following areas: neurolinguistics/linguistic aphasiology, developmental phonetics and phonology, language acquisition, developmental language disorders, discourse analysis, phonological and phonetic disorders, speech understanding in the elderly, electrophysiologic and otoacoustic emissions diagnosis, and hearing science. A brochure giving details of this program is available from the School's office.</p> Master of Science <p>The School of Audiology and Speech Sciences offers a post-graduate program leading to the Master of Science. This program is primarily designed to provide the scientific and clinical education necessary for the professions of audiology and speech-language pathology.</p>



The School's Master of Science and Doctor of Philosophy programs are designed to insure that graduates are grounded in the basic and applied sciences, can address complex communication problems within an interdisciplinary framework, and understand the relevance of theory in research as well as practical endeavours.

Doctor of Philosophy

Admission Requirements

An applicant to the doctoral program should have completed a Master's degree, typically in Audiology and Speech Sciences, Psychology, Linguistics, or a related discipline.

Eligibility for admission will be decided by the **Doctoral Studies Committee**. The committee will consist of the Graduate Advisor and a minimum of three other full members of the graduate faculty who are full-time faculty at the School. For details, please see www.audiospeech.ubc.ca/programs/phdentry.htm

Program Requirements

The School of Audiology and Speech Sciences offers a program leading to the Doctor of Philosophy with specialization in one of the following areas: neurolinguistics/linguistic aphasiology, developmental phonetics and phonology, language acquisition, developmental language disorders, discourse analysis, phonological and phonetic disorders, speech understanding in the elderly, electrophysiologic and otoacoustic emissions diagnosis, and hearing science. A brochure giving details of this program is available from the School's office.

All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Admission is on a competitive basis. Students admitted to the M.Sc. degree program must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies. Applicants must also have appropriate undergraduate preparation as

These professional fields require a thorough understanding of human communication and its disorders. The Master of Science program thus builds upon background studies in linguistics, psychology, acoustics, physiology and other related disciplines, and incorporates both basic and applied science. After completing basic level courses, students pursue advanced work in a professional specialty, i.e. either audiology or speech-language pathology. Supervised clinical externships are provided in hospitals, schools, rehabilitation centres, and other service settings throughout the Province of British Columbia. Graduates of the clinical education program will have completed the academic and practical requirements for professional certification. This program will usually require 24 to 36 months to complete, depending upon the student's academic preparation.

Contact Information

See *The School of Audiology and Speech Sciences* for a more detailed description of the School's philosophy, curriculum and application procedures.

School of Audiology and Speech Sciences
Faculty of Medicine
James Mather Building
5804 Fairview Avenue
Vancouver, BC V6T 1Z3
Tel: 604-822-5591
Fax: 604-822-6569
Email: sue@audiospeech.ubc.ca
Website: www.audiospeech.ubc.ca

Ms. Sue Bryant, Program Assistant

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



defined below.

For students seeking to specialize in Audiology, the routes for preparation are diverse and could include an undergraduate degree in, for example, linguistics, psychology, biology, or physics.

For students seeking to specialize in Speech-Language Pathology find that degree programs in Linguistics or Psychology are the best route to achieving the necessary undergraduate preparation for the M.Sc. degree program.

Students with other academic backgrounds who have outstanding academic records and who are interested in applying to either specialization stream should write to the Chair of the School's Admissions Committee with the details of their academic preparation.

For details, please see www.audiospeech.ubc.ca

Program Requirements

The School of Audiology and Speech Sciences offers a post-graduate program leading to the Master of Science. This program is primarily designed to provide the scientific and clinical education necessary for the professions of audiology and speech-language pathology. These professional fields require a thorough understanding of human communication and its disorders. The Master of Science program thus builds upon background studies in linguistics, psychology, acoustics, physiology and other related disciplines, and incorporates both basic and applied science. After completing basic level courses, students pursue advanced work in a professional specialty, i.e. either audiology or speech-language pathology. Supervised clinical externships are provided in hospitals, schools, rehabilitation centres, and other service settings throughout the Province of British Columbia. Graduates of the clinical education program will have completed the academic and practical requirements for professional certification. This program will usually require 24 to 36 months to complete, depending upon the student's academic preparation. The School's Master of Science graduates meet the requirements for professional practice in audiology or speech-language pathology in Canada.

Contact Information:

School of Audiology and Speech Sciences
James Mather Bldg., 5804 Fairview Avenue
Vancouver, BC V6T 1Z3



<p>Tel: 604-822-5591 Fax: 604-822-6569 Email: inquiry@audiospeech.ubc.ca Web: www.audiospeech.ubc.ca Sue Bryant, Program Assistant</p>	
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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Biochemistry and Molecular Biology Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>Facilities are available for original investigations in many fields of biochemistry and molecular biology. Possible areas of research include: control of gene expression in eucaryotes and bacteria; structure and function of genes; systems biology; blood proteins; the mechanism of the action of insulin; membrane and membrane protein structure and function; protein trafficking; cell-surface receptors, signal transduction, and cell-growth control; neural and retinal photoreceptor membranes; lipid-based targeted delivery systems; macromolecular</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,208 Present Calendar Entry: Degrees Offered <i>M.Sc.</i> <i>Ph.D.</i> Program Overview <p>Facilities are available for original investigations in many fields of biochemistry and molecular biology. The areas of research possible within the Department of Biochemistry and Molecular Biology include control of gene expression in eucaryotes and bacteria; structure and function of genes; blood proteins; the mechanism of the action of insulin; membrane and membrane protein structure and function; protein trafficking; cell-surface receptors, signal transduction, and cell-growth control; neural and retinal photoreceptor membranes; lipid-based targeted delivery systems; macromolecular crystallography and X-ray diffraction techniques for the characterization of enzymes and protein complexes; metalloprotein structure and function; mechanisms of enzyme activity; mechanism of hemoprotein electron transfer; structural analysis of proteins by nuclear magnetic resonance; mechanisms of multi-drug resistance; and cancer.</p> <p>Major instrumentation in the Department includes X-ray diffraction equipment for macromolecular crystallography, computer graphics equipment, a scanning and</p>



crystallography and X-ray diffraction techniques for the characterization of enzymes and protein complexes; metalloprotein structure and function; mechanisms of enzyme activity; mechanism of hemoprotein electron transfer; structural analysis of proteins by nuclear magnetic resonance; mechanisms of multi-drug resistance; and cancer.

Doctor of Philosophy

Admission Requirements

In addition to the Faculty of Graduate Studies' admission requirement, students must hold an honours bachelor's degree in Biochemistry with high standing or a Master's Degree in Biochemistry, or the equivalent.

Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Students are required to complete courses in biochemistry and related fields in accordance with the recommendations of the program and the student's committee. All doctoral students are required to complete a comprehensive examination successfully. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

In addition to the Faculty of Graduate Studies' admission requirements, students with a degree in Biochemistry or in related disciplines can be accepted providing they have graduated with high standing from university programs giving a strong background in science.

Program Requirements

The M.Sc. program includes a thesis (12 credits) and courses approved by the in biochemistry and related fields (18 credits). Biochemistry 303 and 301, or the equivalent,

transmission electron microscope, EPR spectrometer, CD and MCD equipment, a microprocessor-controlled spectrofluorometer with polarization accessories, double beam/dual wavelength spectrophotometers with stop-flow and low temperature accessories, freeze fracture apparatus, 600-, 500- and 200-MHZ NMR spectrometers, mass spectrometers, robotics, phosphorimager, and cell culture facilities.

Doctor of Philosophy

Candidates must hold an Honours Bachelor's Degree in Biochemistry with high standing or a Master's Degree in Biochemistry, or the equivalent, and are required to complete courses in biochemistry and related fields in accordance with the recommendations of the Department and the candidate's committee.

Master of Science

Candidates with a degree in Biochemistry or in related disciplines can be accepted providing they have graduated with high standing from university programs giving a strong background in science. The Master of Science program includes a thesis (12 credits) and courses approved by the department in Biochemistry and related fields (18 credits). Biochemistry 303 and 301, or the equivalent, are prerequisites to all graduate courses in Biochemistry and Molecular Biology.

Contact Information

Department of Biochemistry and Molecular Biology
Faculty of Medicine
2146 Health Sciences Mall
Vancouver, BC V6T 1Z3
Tel: 604-822-5925
Fax: 604- 822-5227
Email: sharonk@interchange.ubc.ca
Website: www.biochem.ubc.ca

Ms. Sharon Krowchuk, Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of



are prerequisites to all graduate courses in Biochemistry and Molecular Biology.

information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.

Contact Information:

Department of Biochemistry and Molecular Biology
2350 Health Sciences Mall
Vancouver, BC V6T 1Z3

Tel: 604-822-5925

Fax: 604-822-5227

Email: biocgrad@interchange.ubc.ca

Web: www.biochem.ubc.ca

Hiltrud M. Vogler, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Business Administration Degrees Offered: Ph.D. M.Sc.B. Members Professors Associate Professors Assistant Professors Program Overview <p>The Sauder School of Business is considered to be the top research business school in Canada and one of the top schools in North America. It offers courses of instruction leading to both the Master of Science in Business Administration (M.Sc.B.) and Doctor of Philosophy (Ph.D.).</p> <p>The areas of study for the Ph.D. program include the fields of accounting, finance, management information systems, management science, marketing, organizational behaviour and human resources, policy analysis and strategy and</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,218 Present Calendar Entry: Degrees Offered <i>M.Sc.B.</i> <i>Ph.D.</i> Doctor of Philosophy <p>The objectives of the Ph.D. program in business administration are to prepare appropriately qualified individuals for careers in academic research and teaching and for research positions in business and government. The Doctor of Philosophy is the highest degree conferred by the University and is a research degree requiring general proficiency and distinctive attainment in a special field as well as an ability for independent investigation, evidenced by a dissertation based upon original research and creative scholarship.</p> <p>The Faculty of Commerce and Business Administration (also known as the Sauder School of Business) presently offers eight approved programs of study leading to the Ph.D. These are Accounting, Finance, Management Information Systems, Management Science, Marketing, Organizational Behaviour and Human Resources, Policy Analysis and Strategy and Urban Land Economics.</p> <p>In addition, a student may pursue a cross-field program in the Faculty of Commerce and</p>



urban land economics. In addition, a student may pursue a cross-field program within the Sauder School of Business in such areas as transportation and logistics or international business.

The areas of study for the M.Sc.B. program include finance, management information systems, management science and transportation and logistics.

Doctor of Philosophy

Admission Requirements

Students with limited financial resources should not be discouraged from applying for admission to the Ph.D. programs, since all students who are admitted, but who have not obtained financial assistance from an external source, will normally receive financial support for the first four years in the program.

Students who wish to transfer from a master's to a doctoral program must have completed one year of study in the master's program with a minimum 80% average in 18 credits, of which at least ten credits must be at the 500 level or above and at least ten credits must be at 80% or above. The student must show clear evidence of research ability.

Program Requirements

The objectives of the Ph.D. program in Business Administration are to prepare appropriately qualified individuals for careers in academic research and teaching and for research positions in business and government. Since each student enters the program with a unique academic background and pursues a course of study which reflects the candidate's own special interests, it is possible to give only very approximate estimates of the time which may be necessary to complete the major phases of the program. However, doctoral work beyond the master's degree in business administration or its equivalent ordinarily involves about two years of formal coursework. The thesis research normally requires about two years of additional work.

All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Business Administration or apply to the Faculty of Graduate Studies as an Interdisciplinary candidate for the Ph.D. These alternatives allow specialization in such areas as Transportation or International Business, as well as programs of study which cross department or faculty boundaries.

Since each candidate enters the program with a unique academic background and pursues a course of study which reflects the candidate's own special interests, it is possible to give only very approximate estimates of the time which may be necessary to complete the major phases of the program. However, doctoral work beyond the master's degree in business administration or its equivalent ordinarily involves about two years of formal course work. The thesis research normally requires about two years of additional work.

Students with limited financial resources should not be discouraged from applying for admission to the Ph.D. programs, since all students who are admitted, but who have not obtained financial assistance from an external source, will have access to some form of financial support.

The program for each entering Ph.D. student is determined by a faculty advisor drawn from the area of specialization, in consultation with the student. In those divisions with individual Ph.D. programs, an advisor is appointed to supervise the early work of new candidates; this advisor transfers responsibility to a committee more closely representing the special research interests of the candidate for thesis research. Applicants are encouraged to correspond with the Ph.D. advisors in their chosen fields of study (prior to entry), who can give information about the specific requirements of their areas. Such inquiries may be addressed initially to the director of the Ph.D. program, who will forward them to the appropriate faculty advisors.

The major phases of the program are as follows:

1. A basic core of suitable courses from the foundation areas of business research, including mathematics, statistics, economics, sociology and psychology, whose concepts and methods may be applied in research and in the process of decision-making.
2. A basic core of study of the management decision areas, which are defined to include subjects such as accounting, management information systems, finance, organizational behaviour and marketing.



Master of Science in Business Administration

Admission Requirements

In addition to fulfilling the Faculty of Graduate Studies requirements, the applicant must submit an official GMAT score.

Program Requirements

The Master of Science in Business Administration (M.Sc.B.) is intended primarily for graduate students who plan to pursue, at a later stage, a Ph.D. program in business administration.

The program normally requires two years of study. It is designed by an advisor and a committee so as to best prepare the student for advanced study and research in the chosen area of specialization.

For information on Master of Business Administration (M.B.A.) or Master of Management (M.M.) programs, please see the {I|Sauder School of Business} or visit the program websites for the {H|www.sauder.ubc.ca/mba|M.B.A.} and {H|www.sauder.ubc.ca/mm|M.M.}

Contact Information:

Sauder School of Business
2053 Main Mall
Vancouver, BC V6T 1Z2

Tel: 604-822-8366

Fax: 604-822-8755

Email: elaine.cho@sauder.ubc.ca

Web: www.sauder.ubc.ca

Elaine Cho, Ph.D. and M.Sc. Programs
Administrator

3. A preliminary examination on the above, supervised by a faculty committee, in foundation courses in which the candidate receives less than a 80% mark may be required.
4. A study of the chosen field of specialization, including a knowledge and understanding of the literature of the field, the basic concepts, their origins, evolution, and relationship to cognate fields, and the application in the chosen field of advanced methods of research.
5. A written comprehensive examination in the field of specialization.
6. A formal thesis proposal, presented at an open workshop or seminar, and approved by the appropriate thesis committee.
7. A scholarly thesis supervised by the thesis committee.
8. An oral examination in defence of the completed thesis.

In some areas of specialization the defined special field of study will include a minor field of interest. Please refer to the relevant section for the guidelines used in some of the option areas.

In the Management Science program, the study defined in (1) and (2) is replaced by an intensive preparation in mathematical and statistical methods, and a preliminary exam taken by all students in this program.

Master of Science in Business Administration

The Master of Science in Business Administration (M.Sc.B.) is intended for graduate students who wish to enter a Ph.D. program and prepare for an academic career in a specialized area of business administration. Please contact the Commerce Ph.D. and M.Sc. Programs Office at the Faculty of Commerce and Business Administration for an updated list of specialized areas accepting applications for the upcoming academic year.

The program normally requires two years of study. The program for an M.Sc.B. candidate is determined by an advisor and committee chosen to represent the area of specialization elected by the candidate. The course program will, therefore, differ for each student, will reflect the student's background, and will be developed by



the advisor from the resources of the University community so as to best prepare the student for advanced study and research in the chosen area of specialization.

The program requires a thesis (COMM 549) of six credits plus 24 credits in addition to the other course work prescribed for the field. The 24 credits of course work shall consist of at least 18 credits at the 500 level or above, and no more than six credits at the 300 or 400 levels.

At the time of acceptance of an offer of admission to the M.Sc.B. program, students will be required to pay a non-refundable deposit, which will be applied to the first-term tuition fees.

Note: For information on MBA programs please refer to the Calendar section for [Faculty of Commerce and Business Administration](#) or the [Faculty of Commerce and Business Administration website](#) (Sauder School of Business).

Contact Information

Faculty of Commerce and Business
Administration
(also known as the Sauder School of Business)
2053 Main Mall
Vancouver, BC V6T 1Z2
Tel: 604-822-8366
Fax: 604-822-8755
Email: elaine.cho@sauder.ubc.ca
Website: www.sauder.ubc.ca

Ms. Elaine Cho, Ph.D. and M.Sc. Programs
Administrator

Type of Action:

Inserted admission requirements for MScB
and criteria for transfer to the PhD

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Chemical and Biological Engineering Degrees Offered: Ph.D. M.Sc. M.A.Sc. Members Professors B. D. Bowen, S. J. B. Duff, P. Englezos, J. R. Grace, S. G. Hatzikiriakos, R. J. Kerekes, C. J. Lim, J. M. Piret, K. J. Smith. Associate Professors S. A. Baldwin, C. P. J. Bennington, J. Feng, C. A. Haynes, E. Kwok, A. Lau, R. J. Petrell, M. D. Martinez, X. Bi. Assistant Professors N. Ellis, E. Gyenge, M. Mohseni, F. Taghipour. Program Overview The Department of Chemical and Biological Engineering offers graduate programs leading to research degrees of Doctor of Philosophy (Ph.D.), Master of Applied Science (M.A.Sc.) and Master of Science (M.Sc.). Thesis topics are available in the fields of faculty research. Joint research is carried out at the master's and doctoral levels with the Pulp and Paper Research Institute of Canada (Paprican) and with {I 9869 Michael Smith Laboratories} in areas of common interest.	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,213 Present Calendar Entry: Degrees Offered <i>M.A.Sc., M.Eng., M.Sc. Ph.D.</i> Program Overview The Department of Chemical and Biological Engineering offers graduate programs leading to research degrees of Doctor of Philosophy, Master of Applied Science (M.A.Sc.) and Master of Science (M.Sc.). Thesis topics are available in the fields of faculty research. Joint research is carried out at the master's and doctoral levels with the Pulp and Paper Research Institute of Canada (Paprican) and with <u>Michael Smith Laboratories</u> in areas of common interest. Graduates from other branches of engineering or from science may also be accepted, but may be required to successfully complete selected undergraduate courses in chemical and biological engineering before receiving a degree. A list of undergraduate course requirements may be obtained from the Department of Chemical and Biological Engineering. A list of faculty members and their research interests is available from the Department. Doctor of Philosophy The Doctor of Philosophy is for superior students who wish to acquire the knowledge, techniques and skills required for advanced research. The program is based on a thesis and selected courses suitable to the candidate's research interests. The program must also include the seminar course (CHBE 598).



Graduates from other branches of engineering or from science may also be accepted, but may be required to successfully complete selected undergraduate courses in chemical and biological engineering before receiving a degree. A list of undergraduate course requirements may be obtained from the Department of Chemical and Biological Engineering.

~~A list of faculty members and their research interests is available from the Department.~~

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a M.A.Sc. degree in Chemical Engineering or a related area, with clear evidence of research ability or potential. Transfer from the master's to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

The Doctor of Philosophy is for superior students who wish to acquire the knowledge, techniques and skills required for advanced research. The program is based on a thesis and selected courses suitable to the candidate's research interests. The program must also include the seminar course (CHBE 598).

All doctoral students are required to complete a comprehensive examination successfully. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a bachelor's degree in an area such as agriculture, forestry and or a related area ~~sof science~~ ~~science a related area~~, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

Master of Applied Science

The Master of Applied Science requires a thesis (12 credits) and advanced course work (18 credits). Normally, the required 18 credits will consist of 12 credits chosen from graduate courses in chemical and biological engineering and six credits of courses outside the program. The program must also include CHBE 598. Part-time students may enrol in the Master of Applied Science program.

Master of Science and Master of Engineering

The Master of Science is offered for qualified graduates from the Faculties of Agricultural Sciences, Forestry and Science. The program requires a thesis (12 credits) and 18 credits of advanced course work, of which 12 credits must be selected from courses in Chemical and Biological Engineering. The program must also include CHBE 598. Part-time students may enrol in the Master of Science program.

The Department of Chemical and Biological Engineering also offers the non-research Master of Engineering (M.Eng.) in Chemical Engineering. This degree can be completed in one year. It is intended primarily for candidates who have work experience in addition to a Bachelor's degree in Chemical Engineering. The degree requires an engineering report and advanced course work equivalent to 30 credits. Part-time students may enrol in the Master of Engineering program.

Contact Information

Department of Chemical and Biological Engineering
306-2216 Main Mall
Vancouver, BC V6T 1Z4
Tel: 604-822-3457
Fax: 604-822-6003
Email: gradsec@chml.ubc.ca
Website: www.chml.ubc.ca

Ms. Helsa Leong, Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort



The program ~~requires~~ a thesis (12 credits) and 18 credits of advanced coursework, of 12 of the 18 credits must be from which 12 credits must be selected from courses in Chemical and Biological Engineering. The program must ~~also~~ include CHBE 598. Part-time students may enroll in the Master of Science program.

to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.

Master of Applied Science

Admission Requirements

Students admitted to the M.A.Sc. degree program normally possess a bachelor degree in Chemical Engineering or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The Master of Applied Science requires a thesis (12 credits) and advanced course work (18 credits). Normally, the required 18 credits will consist of 12 credits chosen from graduate courses in chemical and biological engineering and six credits of courses outside the program. The program must ~~also~~ include CHBE 598. Part-time students may enroll in the Master of Applied Science program.

For information about the professional Master of Engineering (M.Eng.) program, please see the {I/13813/Faculty of Applied Science} or visit the {H/www.chml.ubc.ca/program website}.

Contact Information:

Department of Chemical and Biological Engineering
2360 East Mall
Vancouver, BC, V6T 1Z3

Tel: 604-822-3457

Fax: 604-822-6003

Email: gradsec@chml.ubc.ca

Web: www.chml.ubc.ca

Helsa Leong, Graduate Secretary



UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Children's Literature Degrees Offered: M.A. <i>Members</i> Professors R. Jobe. Associate Professors M. Asselin, A. Curry, J. Flick, T. Rogers, J. Saltman. Assistant Professors C. Medina, M. Kendrick <i>Program Overview</i> The School of Library, Archival and Information Studies, with the participation of the Departments of English, Language and Literacy Education, and Theatre, Film and Creative Writing, offers a multi-disciplinary Master of Arts program in Children's Literature. The program provides specialized education for graduate students in the study of children's literature using a multi-disciplinary approach. The program is designed to provide each student with the opportunity to study the creative writing and publishing of this literature, examine models of sharing its rich heritage with the young, and also facilitate the literary, social, historic, and psychological analyses of children's literature as literature. This multi-disciplinary approach will expose students to many	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,215 Present Calendar Entry: Degrees Offered <i>M.A.</i> Master of Arts The School of Library, Archival and Information Studies, with the participation of the Departments of English, Language and Literacy Education, and Theatre, Film and Creative Writing, offers a multi-disciplinary Master of Arts program in Children's Literature. The program provides specialized education for graduate students in the study of children's literature using a multi-disciplinary approach. The program is designed to provide each student with the opportunity to study the creative writing and publishing of this literature, examine models of sharing its rich heritage with the young, and also facilitate the literary, social, historic, and psychological analyses of children's literature as literature. This multi-disciplinary approach will expose students to many schools of literary criticism, educational theory, and professional and creative practice. It will acquaint students with the broad literary canon of children's literature across a spectrum of languages and cultures and with a variety of critical perspectives and professional application. An undergraduate student considering working in the field of children's literature should consult the School about useful preparatory classes. An interview may be arranged at any time. A broad cultural background is expected of M.A. candidates. The prospective student should select courses which will give some acquaintance with the humanities and social sciences during undergraduate studies. Particular attention



schools of literary criticism, educational theory, and professional and creative practice. It will acquaint students with the broad literary canon of children's literature across a spectrum of languages and cultures and with a variety of critical perspectives and professional application.

An undergraduate student considering working in the field of children's literature should consult the School about useful preparatory classes. An interview may be arranged at any time.

Master of Arts

Admission Requirements

~~A broad cultural background is expected of M.A. applicants. In preparation for application, the~~ prospective student should select courses which will give ~~some~~ broad acquaintance with the humanities and social sciences during their undergraduate studies. Particular attention should be paid in undergraduate or graduate studies to courses in children's literature, English, writing for children, child psychology, and the history of childhood.

For admission to the M.A. program, a student must:

1. possess a four-year bachelor's degree (or its equivalent) from a recognized university in a relevant discipline or in an area which is regarded as appropriate by the Admissions Committee for the program;
2. have achieved a minimum overall average in the 'B+' range (76% at UBC) in third-and fourth-year level courses of a bachelor's degree; and
3. show promise of success or superior accomplishment in one or more aspects of children's literature as attested by letters of reference and a personal letter of intent.

Program Requirements

The Master of Arts in Children's Literature is awarded on the completion of 30 credits of work, including 24 credits of coursework and a six-credit thesis. The coursework will be selected in consultation with the supervisory committee to support the multi-disciplinary nature of the program. A maximum of six

should be paid in undergraduate or graduate studies to courses in children's literature, English, writing for children, child psychology, and the history of childhood.

For admission and program requirements, see [Master of Arts in Children's Literature](#) under School of Library, Archival and Information Studies or contact the [Admissions Secretary](#).

Contact Information

School of Library, Archival and Information Studies
301–6190 Agronomy Road
Vancouver, BC V6T 1Z3
Tel: 604-822-2404
Fax: 604-822-6006
Email: slais.admission@ubc.ca
Website: www.slais.ubc.ca

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



credits of coursework may be taken at the 300- or 400-level; the remainder must be at the 500-level and above.

Of the 24 credits of coursework, three credits are required from each of the following categories, including at least 6 credits at the 500-level:

- Historical Overview: LLED 441, ENGL 468, LIBR ~~520~~522A, LIBR 521~~2B~~
- Contemporary Children's/Young Adult Literature: LLED 442, LLED 449 LIBR ~~522A~~520, LIBR ~~522B~~521, LIBR 524, LLED 540, LLED 541
- Research Methodology: EDUC 500, LIBR ~~590~~505

The remaining 15 credits of courses may be chosen from the wide range of offerings available in the Departments of English, French, Language and Literacy Education, Theatre, Film and Creative Writing, and the School of Library, Archival, and Information Studies; from relevant courses, with the Chair's approval, offered elsewhere at UBC; and from approved courses offered by other institutions.

A maximum of 12 credits earned in courses germane to children's literature, no more than five years prior to entry into the program may be transferred from another institution or another program at UBC. Transfer credit will not be accepted for a course that has been applied to another degree. The degree may be taken on a full-time or part-time basis. Students may begin the program in either term of Winter or Summer Session. ~~The application dates are:~~

- ~~• For September admission: February 1st~~
- ~~• For January admission: May 1~~

Thesis: The supervisory committee will advise on, monitor, and evaluate the 6-credit thesis.

Contact Information:

School of Library, Archival and Information Studies
TEF III, Suite 301, 6190 Agronomy Road
Vancouver, BC V6T 1Z3

Tel: 604-822-2404

Fax: 604-822-6006

Email: slaisad@interchange.ubc.ca

Web:



www.slais.ubc.ca/PROGRAMS/macl.htm

~~Joe Kwan~~Helen Chan, Grad Admissions
Secretary



UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Classical Archaeology Degrees Offered: M.A. Members Professors A. A. Barrett, S. D. Sullivan, R. Todd, E. H. Williams. Associate Professors D. Arbel, P. C. Burns, R. Cousland, F. De Angelis, R. Menkis, P. G. Mosca, D. Neufeld. Assistant Professors L. Bablitz, E. Cooper, D. Creese, R. Daum, T. Hikade, C. Johnson, C. Marshall, M. Yazigi. Program Overview The graduate program in Classical Archaeology offers a course of instruction leading to the Master of Arts (M.A.). For detailed information about the program in Classical Archaeology, please consult our {H www.cnrs.ubc.ca website}. Master of Arts Admission Requirements Prerequisites for the M.A. program include a Bachelor of Arts in Classics (Greek and Latin), Classical Studies (non-language program), Near	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,217 Present Calendar Entry: Degrees Offered M.A. Ph.D. Classics and Classical Archaeology Master of Arts and Doctor of Philosophy The thesis for the M.A. in Classics may be written in one of the following: Greek language and literature, Latin language and literature, Greek history, Roman history, Greek or Roman archaeology, or ancient philosophy. Major essays may be written in any of these fields by students following the M.A. program with comprehensive examinations. The comprehensive examinations may be weighted toward Greek or Latin studies without concentrating exclusively on either. Satisfactory knowledge of both Latin and Greek is required. The M.A. in classical archaeology is awarded for successful completion of 30 credits of course work, a major essay, and comprehensive examinations. Brochures describing the M.A. and Ph.D. programs are available from the Department of Classical, Near Eastern, and Religious Studies. Ancient Culture, Religion and Ethnicity in the Mediterranean and the Near East (ACRE)



Eastern Studies, Religious Studies, or a related discipline.

For details on the language prerequisites and requirements, see the program's {H|edziza.arts.ubc.ca/cnrs/display.asp?page=programs|website}.

Program Requirements

The M.A. program requires a minimum of 30 credits of coursework and two comprehensive examinations. Of the 30 credits, 24 must be numbered 500 or above (graduate courses), while the remaining six may, at the discretion of the program, be at the 300- or 400-level (~~undergraduate~~). Students have the option of writing a major piece of guided research. Students interested in this option must consult with the Archaeology Graduate Committee. Students who come into the program without any archaeological field training are also required to take part in an approved archaeological field project.

Ancient language requirement

Students who come into the program without already having attained a reasonable competence in one of the ancient languages (Greek, Latin, Hebrew, Akkadian or Egyptian hieroglyphs) at the intermediate level are also required to do so during their two years of study. Any courses taken to satisfy this requirement do not count towards the 30 credits of coursework required by the program.

Modern language requirement

Students are required to demonstrate a reading knowledge of an approved modern language (usually French, German or Italian). This requirement must be met before the end of the first year of study. It may be met by the successful completion of reading courses (~~like~~ such as French 341 and German 433 and German 434) offered by the modern language departments, or by challenge. Any courses taken to satisfy this requirement do not count towards the 30 credits of coursework required by the program.

Contact Information:

Classical, Near Eastern & Religious Studies
Buchanan C260, 1866 Main Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-2515

Fax: 604-822-9431

Email: cnrs@interchange.ubc.ca

Master of Arts

Applicants for admission must meet the minimum requirements of the Faculty of Graduate Studies. This program will involve a broad, multidisciplinary approach to the Ancient Mediterranean and Near Eastern worlds. Cross-cultural perspectives will be encouraged. This program will involve a broad, multidisciplinary approach to the Ancient Mediterranean and Near Eastern worlds. Cross-cultural perspectives will be encouraged.

To be admitted with full standing applicants must hold a bachelor's degree. This will normally be in Classics (Latin and Greek), Classical Studies (non-language program), or Near Eastern/Religious Studies, but could be in a related discipline (e.g. Anthropology, History, Philosophy, Political Science, etc).

Well qualified and highly recommended applicants with the equivalent of a Minor (30 credits) in one of the above areas will be required to complete a further 12 credits during the first year of graduate study. Undergraduate courses taken to complete the Major do not count for credit towards the Master's degree.

Students who do not meet admission requirements may, in exceptional circumstances, and within the limits set down by the Faculty of Graduate Studies, be admitted as qualifying students until they obtain the necessary prerequisites for full admission.

Applicants must have completed at least 6 credits (or equivalent) in one of the classical languages prior to admission (minimum grade: B-/68%): GREK 100 (Introductory classical Greek) or GREK 125 (New Testament Greek) or LATN 100 (Introductory Latin) or HEBR 305 (Introductory Biblical Hebrew) or ARBC 300 (Introductory Classical Arabic). It is strongly recommended that applicants have completed two years of language study before entrance.

Religious Studies

Master of Arts

Advanced study in Religious Studies is offered in the Department of Classical, Near Eastern, and Religious Studies. Candidates may choose any one of the following areas of concentration: Biblical studies; Judaic studies; Christian thought and institutions; Islamic studies; history of religion. The candidate may select a program with thesis (30 credits in course work, including



Web:

edziza.arts.ubc.ca/cnrs/display.asp?page=programs

Christine Dawson, Graduate Secretary

12 credits for thesis) or without thesis (30 credits in course work, in addition to comprehensives and major essay). A competent reading knowledge of the appropriate languages must be acquired before writing the thesis or comprehensives and major essay.

Further information regarding the M.A. is available on application to the Department. Brochures describing the program in more detail are also available on request. For information regarding programs in Asian Religions consult the Asian Studies Department.

Contact Information

Department of Classical, Near Eastern and Religious Studies
BUCH C260
1866 Main Mall
Vancouver, BC V6T 1Z1
Tel: 604-822-2515
Fax: 604-822-9431
Email: crdawson@interchange.ubc.ca
Website: www.cnrs.ubc.ca

Ms. Christine Dawson, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Early Childhood Education Degrees Offered: M.A. M.Ed. Members Professors <p>Due to the interdisciplinary nature of this program, a list of faculty is not available. Members of the Faculty of Graduate Studies in other Education programs are eligible to serve as supervisors of students in the Early Childhood Education program, based on the student's chosen area of research.</p> Associate Professors Assistant Professors Program Overview <p>Graduate programs in Early Childhood Education, offered through the Centre for Cross-Faculty Inquiry in Education (CCFI), are interdisciplinary, cross-departmental programs that consist of core courses in early childhood and related courses in departments. For example, approved elective courses might be found in child development,</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,224 Present Calendar Entry: Degrees Offered <p><i>M.A., M.Ed.</i> <i>Ph.D.</i></p> Program Overview <p>The Centre for Cross-Faculty Inquiry in Education (CCFI) offers on- and off-campus graduate programs focused on themes that cut across areas of interest in the Faculty of Education. Master's-level programs (M.Ed. and M.A.) are offered in Early Childhood Education (ECED), in coordination with the Institute for Early Childhood Education and Research. Master's (M.Ed. and M.A.) and doctoral programs (Ph.D.) are also offered in Educational Curriculum and Instruction Studies (EDCI). More information about this program can be found at the CCFI website. Off-campus M.Ed. cohort programs are also offered for both the ECED and EDCI programs.</p> Doctor of Philosophy <p>Candidates require a master's degree with high standing in a relevant discipline, a sample of scholarly work, a letter of intent describing the proposed focus of the program and the support of three academic referees. For students possessing a thesis-based master's degree from other than a relevant discipline, it may be</p>



and special education (Department of Educational and Counselling Psychology & Special Education), in early literacy (Language and Literacy Education), in early numeracy (Curriculum Studies) or in the history of childhood (Educational Studies).

Master of Arts

Admission Requirements

Admission to the M.A. program requires a B.A. or B.Ed in Early Childhood Education plus experience working with young children in an appropriate setting. In addition to an overall average of 'B+' or better in all third- and fourth-year courses, M.A. students are expected to show evidence of research potential.

Program Requirements

The M.A. program is a 30-credit program including required and elective courses, 6-credit thesis and a minimum of 18 credits of coursework at the 500-level or above. It is a thesis degree and consists of eight or nine courses plus the thesis/research study (ECED 599).

Master of Education

Admission Requirements

Admission to the M.Ed. program requires a B.A. or B.Ed in Early Childhood Education plus experience working with young children in an appropriate setting.

Program Requirements

The M.Ed. program is a 30-credit program including required and elective courses, 6-credit thesis and a minimum of 18 credits of coursework at the 500-level or above. It consists of nine courses and a capstone experience (ECED 590: Graduating Paper).

Contact Information:

Centre for Cross-Faculty Inquiry in Education
Scarfe Building, 2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-8638

Fax: 604-822-8234

Email: ccfi.grad.secretary@ubc.ca

Web: earlychildhood.educ.ubc.ca/graduate-

possible to proceed into the Ph.D. by taking, and achieving a high standing in, the core course requirements of an appropriate Master's Degree in Education at UBC.

Master of Arts and Master of Education

The M.A. (thesis) and M.Ed. (non-thesis) programs can be completed on a part-time basis. In addition to the regular materials requested in the University's application, students should include a statement of their educational interests.

Please refer to [Education](#) under Faculty of Graduate Studies, Programs, for information on general admission requirements.

Contact Information

Centre for Cross-Faculty Inquiry in Education
Faculty of Education
2125 Main Mall
Vancouver, BC V6T 1Z4
Tel: 604-822-6502
Fax: 604-822-8234
Email: ccfi.grad.secretary@ubc.ca

Website: <http://ccfi.educ.ubc.ca/>

See also [Centre for Cross-Faculty Inquiry in Education](#) under Research Units, Centres and Institutes.

Type of Action:
Edit Calendar entry.

Rationale:

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programs.html



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Educational Administration Degrees Offered: M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The Master of Education Program in Educational Administration attracts those who are interested in leadership positions in K-12 education. Our<u>The</u> program aims to engage students in learning that will help them to understand, critique, and thereby improve their practice to better serve children, communities, and the wider society. Graduates will be prepared to assume administrative roles as well as to provide leadership as teachers. Our<u>The</u> master's program is known for its ability to generate student professional growth. It challenges assumptions, offers new perspectives on organizational life, develops thinking skills, and has a distinctive Canadian content. A</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,229 Present Calendar Entry: Doctor of Education, Doctor of Philosophy, Master of Education, Master of Educational Technology and Master of Arts <p>Graduate programs in education are offered by various units in the Faculty of Education, as well as by the Faculty as a whole:</p> <ul style="list-style-type: none"> ▪ The Department of Curriculum Studies offers graduate programs in art education, business education, home economics education, mathematics education, music education, physical and health education, science education, social studies education, technology studies education, and curriculum studies. ▪ The Department of Educational and Counselling Psychology, and Special Education offers graduate programs in counselling psychology; educational psychology; human learning, development and instruction; measurement, evaluation and research methodology; school psychology; and special education. ▪ The Department of Educational Studies offers graduate programs in adult education, educational administration,



focus on education rather than training gives it a special character. This program has been operating for over 36 years and has over 800 graduates, many of whom occupy strategic roles such as superintendents, central office personnel, and principals in BC schools and districts.

Master of Arts

Admission Requirements

In addition to meeting the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies, students with academic strength and ample evidence of leadership among adults demonstrated in a school setting are preferred. Applicants are required to have at least three years, preferably more, of teaching experience in K - 12 public or independent schools.

Program Requirements

The M.A. in Educational Administration is for students wishing a more academic focus and the opportunity to complete a more in-depth research based thesis. Students must complete 30 credits of course work which includes 24 credits of course work plus a six credit thesis. A minimum of 18 credits of coursework must be at the 500-level or above. M.A. student must complete six credits of research methods courses, ~~rather than 3 credits for the M.Ed.~~ For details on required and elective courses see the {H|www.edst.educ.ubc.ca/programs/mea.htm|program website}.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (thesis).

Master of Education

The M.Ed. program is considered a professional degree for people working in educational administration.

M. Ed. students proceed at their own pace but start with a group whose members tend to share classes. Students can also take courses from other recognized universities. Completion may be as short as two and a half years but most students take three years to finish. Another way to take the program is in a cohort format on Saturdays for 24 months.

higher education, history of education, philosophy of education, sociology of education, educational studies and educational leadership and policy.

- The Department of Language and Literacy Education offers graduate programs in English as a second language literacy education, modern languages education and teacher librarianship.
- The Centre for Cross-Faculty Inquiry in Education offers graduate programming focused on themes that reflect interests from across the Faculty of Education.
- The Faculty of Education offers a joint online degree program in partnership with Tec de Monterrey, a Mexican university that specializes in online education. It provides students with an opportunity to participate with a culturally diverse student population.

Where appropriate, joint programs, which involve collaboration among the areas listed above, or which involve an area outside the Faculty of Education, can be arranged. For information on Graduate Certificates and Off-Campus Graduate work see [Graduate Programs](#) under the Faculty of Education section in this Calendar.

Master's Degrees

Students seeking entry to the Master of Arts (M.A.) in Education and the Master of Educational Technology (M.E.T.) programs should consult the individual program or unit for information regarding specific admission requirements. These are also outlined in the individual websites listed below:

- [Dept. of Curriculum Studies](#)
- [Dept. of Educational & Counselling Psychology, and Special Education](#)
- [Counselling Psychology Program](#)
- [Dept. of Educational Studies](#)
- [Dept. of Language and Literacy Education](#)
- [School of Human Kinetics](#)
- [Centre for Cross-Faculty Inquiry in Education](#)



There are cohorts in the Fraser Valley, on the North Shore and in Boundary Bay with others being planned.

Admission Requirements

Same as MA

Program Requirements

~~The M.Ed. program is considered a professional degree for people working in educational administration. Students must complete 30 credits of course work, which includes 27 credits of course work plus a three credit graduating paper or capstone course.~~

M. Ed. programs include 3 core courses (9 credits), one research course (3 credits), and a capstone requirement (3 credits).

~~M.Ed. student must complete three credits major essay. For details on required and elective courses see the {H|www.edst.educ.ubc.ca/programs/mea.html|program website}. Students proceed at their own pace but start with a group whose members tend to share classes. Students can also pursue courses from other recognized universities. Completion may be as short as two and a half years but most students take three years to finish. Another way to take the program is in a cohort format on Saturdays for 24 months. There are cohorts in the Fraser Valley, on the North Shore and in Boundary Bay with others being planned.~~

For B.C. teachers: Teacher Qualification Service requires a capstone experience (graduating project).

Contact Information:

Department of Educational Studies
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-6647

Fax: 604-822-4244

Email: grad.edst@ubc.ca

Web:

www.edst.educ.ubc.ca/programs/mea.html

▪ Master of Educational Technology

For information on off-campus graduate work please [email](#) or phone 604-822-2013.

Contact Information

General information on graduate programs in education may be obtained from the Office of Graduate Programs and Research.

Faculty of Education
2125 Main Mall, Room 2601
Vancouver, BC V6T 1Z4
Tel: 604-822-5512
Fax: 604-822-8971
Email: ogpr@interchange.ubc.ca

Prospective applicants are encouraged to visit the [Education Graduate Programs website](#).

Type of Action:

Edit Calendar entry.

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Educational Administration & Leadership and Curriculum Studies (joint program) Degrees Offered: M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The Program was created in response to increasing interest in the study of a combination of curricular leadership on the one hand, and organizational leadership in schools on the other. The applicants for this joint program will be teachers in K-12 education who wish to increase their level of understanding and skill in both areas. Upon completion of the program, the students will assume positions of formal or informal leadership in schools and thus make important contributions to the education of children.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,229 Present Calendar Entry: Doctor of Education, Doctor of Philosophy, Master of Education, Master of Educational Technology and Master of Arts <p>Graduate programs in education are offered by various units in the Faculty of Education, as well as by the Faculty as a whole:</p> <ul style="list-style-type: none"> ▪ The Department of Curriculum Studies offers graduate programs in art education, business education, home economics education, mathematics education, music education, physical and health education, science education, social studies education, technology studies education, and curriculum studies. ▪ The Department of Educational and Counselling Psychology, and Special Education offers graduate programs in counselling psychology; educational psychology; human learning, development and instruction; measurement, evaluation and research methodology; school psychology; and special education. ▪ The Department of Educational Studies offers graduate programs in adult education, educational administration,



Master of Education

Admission Requirements

In addition to meeting the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies, students with academic strength and ample evidence of leadership demonstrated in a school setting are preferred. Applicants are reviewed by both departments; both sets of admission criteria apply. If accepted, students are admitted to the department of first contact and application. A co-adviser is appointed from each department to oversee each student; all courses are approved by both co-advisers. The dual designation CUST/EADM appears on students' transcripts.

Program Requirements

This program combines requirements of the M.Ed. in Educational Administration & Leadership and the M.Ed. in Curriculum Studies in equal proportions. Core courses are CUST 562 & 566 and EADM 581 & 582. Other requirements include three credits from curriculum leadership (CUST 563, 564 or approved elective), three credits from curriculum issues (CUST 565, 568, or approved elective) three credits from policy (EADM 554, EDST 500, 531, 570, 576, 577, 578 or approved elective), three credits from clinical applications (EADM 502, 561 or 598), three credits from research (EDUC 500, 503, 504, CUST 510, 512, EADM 501, 508 or EDST 513, 514), and three credits for a portfolio, graduating paper, or the equivalent for a total of 30 credits.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (graduating project).

Contact Information:

Department of Educational Studies
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-6647

Fax: 604-822-4244

Email: grad.edst@ubc.ca

Web:

www.edst.educ.ubc.ca/programs/mea.html

higher education, history of education, philosophy of education, sociology of education, educational studies and educational leadership and policy.

- The Department of Language and Literacy Education offers graduate programs in English as a second language literacy education, modern languages education and teacher librarianship.
- The Centre for Cross-Faculty Inquiry in Education offers graduate programming focused on themes that reflect interests from across the Faculty of Education.
- The Faculty of Education offers a joint online degree program in partnership with Tec de Monterrey, a Mexican university that specializes in online education. It provides students with an opportunity to participate with a culturally diverse student population.

Where appropriate, joint programs, which involve collaboration among the areas listed above, or which involve an area outside the Faculty of Education, can be arranged. For information on Graduate Certificates and Off-Campus Graduate work see [Graduate Programs](#) under the Faculty of Education section in this Calendar.

Master's Degrees

Students seeking entry to the Master of Arts (M.A.) in Education and the Master of Educational Technology (M.E.T.) programs should consult the individual program or unit for information regarding specific admission requirements. These are also outlined in the individual websites listed below:

- [Dept. of Curriculum Studies](#)
- [Dept. of Educational & Counselling Psychology, and Special Education](#)
- [Counselling Psychology Program](#)
- [Dept. of Educational Studies](#)
- [Dept. of Language and Literacy Education](#)
- [School of Human Kinetics](#)
- [Centre for Cross-Faculty Inquiry in Education](#)



▪ [Master of Educational Technology](#)

For information on off-campus graduate work please [email](#) or phone 604-822-2013.

Contact Information

General information on graduate programs in education may be obtained from the Office of Graduate Programs and Research.

Faculty of Education
2125 Main Mall, Room 2601
Vancouver, BC V6T 1Z4
Tel: 604-822-5512
Fax: 604-822-8971
Email: ogpr@interchange.ubc.ca

Prospective applicants are encouraged to visit the [Education Graduate Programs website](#).

Type of Action:

Edit Calendar entry.

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Educational Leadership and Policy Degrees Offered: Ed.D. Members Professors Associate Professors Assistant Professors Program Overview <p>The Ed.D. in Educational Leadership and Policy provides advanced preparation for education practitioners with leadership and policy responsibilities in both formal and informal settings. These settings include, among many others, the post-secondary sector, business and health organizations, unions and community groups as well as the K-12 school system.</p> <p>The program is grounded in the belief that it is important for participants to engage in scholarly discourse about understanding, critiquing and improving practice in</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,229 Present Calendar Entry: Doctor of Education, Doctor of Philosophy, Master of Education, Master of Educational Technology and Master of Arts <p>Graduate programs in education are offered by various units in the Faculty of Education, as well as by the Faculty as a whole:</p> <ul style="list-style-type: none"> ▪ The Department of Curriculum Studies offers graduate programs in art education, business education, home economics education, mathematics education, music education, physical and health education, science education, social studies education, technology studies education, and curriculum studies. ▪ The Department of Educational and Counselling Psychology, and Special Education offers graduate programs in counselling psychology; educational psychology; human learning, development and instruction; measurement, evaluation and research methodology; school psychology; and special education. ▪ The Department of Educational Studies offers graduate programs in adult education, educational administration,



educational settings. It consists of six required seminars, two elective courses, a comprehensive examination and a thesis. While the program addresses Canadian educational issues and perspectives in a global context, it is the particular settings and leadership or policy responsibilities of the participants which is the starting point of seminars. The expertise of qualified adjunct faculty from related professional fields supplements that of the regular faculty members.

Doctor of Education

Students are admitted to the Ed.D. in cohorts of 10 to 15 and proceed through the program as a group. It is possible to complete program requirements in three years but most students take somewhat longer. Each cohort attends classes on campus for two consecutive Summer Sessions (July to mid-August) and two consecutive Winter Sessions (on weekends from September to early April).

Admission Requirements

Applicants to a doctoral program ordinarily hold a master's degree in a relevant discipline or field with overall first-class standing (a minimum of A- or 80%), in exceptional cases with high second class standing (B+ or 78%). Clear evidence of research ability must be demonstrated. Professional work experience in education is highly desirable. Students are admitted in cohorts of 10-15 and proceed through the program as a group. It is possible to complete program requirements in three years.

Program Requirements

Students are admitted to the Ed.D. in cohorts of 10 to 15 and proceed through the program as a group. It is possible to complete program requirements in three years but most students take somewhat longer. Each cohort attends classes on campus for two consecutive Summer Sessions (July to mid-August) and two consecutive Winter Sessions (on weekends from September to early April). Coursework consists of 18 credits of required seminars and six credits of elective courses. In addition, program completion requires a comprehensive examination, and research leading to a Ed.D. thesis meeting the Faculty of Graduate Studies requirements.

For detailed information about requirements

higher education, history of education, philosophy of education, sociology of education, educational studies and educational leadership and policy.

- The Department of Language and Literacy Education offers graduate programs in English as a second language literacy education, modern languages education and teacher librarianship.
- The Centre for Cross-Faculty Inquiry in Education offers graduate programming focused on themes that reflect interests from across the Faculty of Education.
- The Faculty of Education offers a joint online degree program in partnership with Tec de Monterrey, a Mexican university that specializes in online education. It provides students with an opportunity to participate with a culturally diverse student population.

Where appropriate, joint programs, which involve collaboration among the areas listed above, or which involve an area outside the Faculty of Education, can be arranged. For information on Graduate Certificates and Off-Campus Graduate work see [Graduate Programs](#) under the Faculty of Education section in this Calendar.

Master's Degrees

Students seeking entry to the Master of Arts (M.A.) in Education and the Master of Educational Technology (M.E.T.) programs should consult the individual program or unit for information regarding specific admission requirements. These are also outlined in the individual websites listed below:

- [Dept. of Curriculum Studies](#)
- [Dept. of Educational & Counselling Psychology, and Special Education](#)
- [Counselling Psychology Program](#)
- [Dept. of Educational Studies](#)
- [Dept. of Language and Literacy Education](#)
- [School of Human Kinetics](#)
- [Centre for Cross-Faculty Inquiry in Education](#)



for the Ed.D. program, please see
{H|www.edst.educ.ubc.ca/programs/Ed-
D/structure.html}.

Contact Information:

Department of Educational Studies
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-4553

Fax: 604-822-4244

Email: garnet.grosjean@ubc.ca

Web: www.edst.educ.ubc.ca/programs/Ed-D

Garnet Grosjean, Coordinator

▪ **Master of Educational Technology**

For information on off-campus graduate work
please [email](#) or phone 604-822-2013.

Contact Information

General information on graduate programs in
education may be obtained from the Office of
Graduate Programs and Research.

Faculty of Education
2125 Main Mall, Room 2601
Vancouver, BC V6T 1Z4
Tel: 604-822-5512
Fax: 604-822-8971
Email: ogpr@interchange.ubc.ca

Prospective applicants are encouraged to visit
the [Education Graduate Programs website](#).

Type of Action:

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Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Educational Studies Degrees Offered: Ph.D. M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The Ph.D. in Educational Studies is a flexible, research-oriented doctoral program that can be pursued by students interested in any of the fields of study offered in the Educational Studies <u>department</u>. These include: {H www.edst.educ.ubc.ca/programs/adult_ed.html Adult Education}, {H www.edst.educ.ubc.ca/programs/mea.html Educational Administration}, {H www.edst.educ.ubc.ca/programs/higher_ed.html Higher Education}, and {H www.edst.educ.ubc.ca/programs/SCPE.html Society, Culture and Politics in Education}.</p> <p>The only course that is required of all</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,231 Present Calendar Entry: Degrees Offered <i>M.A., M.Ed.</i> <i>Ed.D., Ph.D.</i> Program Overview <p>The Department is concerned with the study of education in a broad sense. It presents a combination of programs in adult and higher education and in educational administration and an interdisciplinary program in society, culture and politics in education. The department is committed both to meeting traditional program needs and to developing innovative and integrated approaches to emerging issues in education. The MA/MEd programs in Adult and Higher Education develop scholars and reflective practitioners able to shape society and its institutions in ways that promote lifelong education and learning for all. The MA/MEd programs in Educational Administration prepare students for leadership positions in K-12 education administrative and teaching roles. The Society, Culture and Politics in Education (SCPE) MA/ MEd programs offer opportunities for interdisciplinary study of social justice issues through core themes of gender and feminist perspectives, multiculturalism and anti-racism, First Nations Studies and class.</p> <p>The Department also offers a specialization in First Nations education for students of aboriginal</p>



students is the first-year doctoral seminar. All other courses in a student's program are determined in consultation with a faculty advisor or program advisory committee and are based on the student's prior academic work and research interests. Students in the Ph.D. program typically devote two years to coursework, and two to four years to carrying out a research project designed to make an original contribution to knowledge in the area of specialization. The university allows doctoral students up to six years to complete program requirements. There is no set number of credits required for Ph.D. programs at UBC.

Doctor of Philosophy

Admission Requirements

Applicants to a doctoral program ordinarily hold a master's degree in a relevant discipline or field with overall first-class standing (a minimum of A- or 80%), in exceptional cases with high second class standing (B+ or 76%). Clear evidence of research ability must be demonstrated. Professional work experience in education is highly desirable. No second language is required.

Program Requirements

The first-year doctoral seminar (EDST 601) is required of all Ph.D. students in the department. Students are expected to take courses in their specialization and also typically take courses to give them the breadth and depth of understanding of contemporary educational theories, issues and debates expected of those pursuing the highest degree awarded by the university. All students in the Ph.D. program are required to successfully complete a comprehensive examination after most of their coursework is completed and before they present their research proposal. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

~~The Ph.D. thesis is an original piece of research that contributes to knowledge in the student's area of specialization. Students develop research proposals which must be presented to and approved by a research supervisory committee made up of a research supervisor and at least two other~~

descent who register in the Ts'Kel program. The Department also offers a joint M.Ed. in Curriculum Studies and Educational Administration & Leadership, a joint M.Ed. in Educational Administration and Special Education, and an online M.Ed. in Adult Learning and Global Change. The master's programs can be taken on a part- or full-time basis. The Ed.D. in Educational Leadership and Policy is designed for experienced educators with leadership or policy responsibilities in a wide variety of educational settings. The Ph.D. in Educational Studies offers the opportunity to study a wide range of educational issues from perspectives represented in the Department's specializations. Graduates of the department are well qualified for leadership positions in their chosen fields. A high proportion of the graduates from the doctoral programs occupy teaching and research positions in post-secondary institutions or other agencies in Canada and elsewhere, or senior positions in school systems.

Students admitted to the Department's programs have a wide range of undergraduate qualifications and often will have some years of professional experience in education or a related field. Applicants are asked to provide (in addition to the forms, references, transcripts and other material required by the Faculty of Graduate Studies) a statement of their scholarly and professional interests and aspirations. These are considered carefully in admissions decisions.

Course work in the M.Ed. and M.A. programs is a minimum of 30 credits, consisting of core and elective courses, depending on the specialization chosen. Some of the Department's M.Ed. programs require a graduating paper in which the student explores concepts, previous research or the application of his or her knowledge to the field of practice. All M.A. programs require a thesis reporting the results of the student's original research. The Ed.D. is designed for working professionals and includes 24 credits of required and elective courses, a comprehensive examination and a thesis. The Department's Ph.D. program requires a doctoral seminar, a comprehensive examination and such courses as are decided in consultation with one's advisor. These are tailored to each student's particular interests and to the development of his or her doctoral research.

Master of Education in Adult Learning and Global Change

An intercontinental, web-based, coursework-only professional master's degree focussing on adult learning within the context of global change. This is a collaborative program involving, in



~~committee members. Research supervisory committees provide direction to the student, read and critique drafts of the thesis, and, when the thesis is complete, participate in the final oral examination.~~

Master of Arts

Admission Requirements

Applicants to the M.A. program are expected to meet the admission requirements of the {1|6755|Faculty of Graduate Studies}.

Program Requirements

The M.A. is a research-oriented program for students who wish to develop skills as researchers or who may go on to doctoral-level study. It is a 30-credit program including required and elective courses ~~and a~~ 6-credit thesis and a minimum of 18 credits of coursework at the 500-level or above. Detailed information about course requirements for the M.A. is available {H|edst.educ.ubc.ca/programs/MA_M-Ed.html}.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (thesis).

Master of Education

Admission Requirements

Applicants to the M.Ed. program are expected to meet the admission requirements of the {1|6755|Faculty of Graduate Studies}.

Program Requirements

The M.Ed. program is considered a professional degree. It is a 30-credit program with required and elective courses, ~~and a~~ 3-credit graduating paper and a minimum of 18 credits of coursework at the 500-level or above. Detailed information about course requirements for the M.Ed. is available Please see {H|edst.educ.ubc.ca/programs/MA_M-Ed.html}.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (graduating project).

addition to UBC, Linköping University (Sweden), University of the Western Cape (South Africa) and University of Technology, Sydney (Australia). The curriculum covers forms of adult learning found in different cultural contexts and the role of learning in understanding and responding to globalizing forces and their impacts on workplaces, communities, economies and the environment. Students proceed through the two-year, 30-credit program as a cohort drawn from the four participating institutions.

Admission and other requirements: UBC applicants must meet the admission requirements of the Faculty of Graduate Studies. They must supply a writing sample, letters of reference and a letter of intent, and demonstrate English proficiency. When required, the minimum TOEFL score is 600 (paper based) or 250 (computer based), or the equivalent for other tests of English proficiency. Applicants are reminded that reliable and regular email and Internet access are essential in the program.

Students who complete the UBC Certificate in Intercultural Studies through the UBC Centre for Intercultural Communication within five years of being admitted to the M.Ed. in Adult Learning and Global Change will receive 6.0 credits toward elective requirements in the M.Ed.

Joint Master of Education in Curriculum Studies and Educational Administration and Leadership

This program combines requirements of the M.Ed. in Educational Administration and Leadership and the M.Ed. in Curriculum Studies in equal proportions. Core courses are CUST 562 and 566 and EADM 581 and 582. Other requirements include three credits from curriculum leadership (CUST 563, 564 or approved elective), three credits from curriculum issues (CUST 565, 568, or approved elective) three credits from policy (EADM 554, EDST 500, 531, 570, 576, 577, 578 or approved elective), three credits from clinical applications (EADM 502, 561 or 598), three credits from research (EDUC 500, 503, 504, CUST 510, 512, EADM 501, 508 or EDST 513, 514), and three credits for a portfolio, graduating paper, or the equivalent for a total of 30 credits.

Applicants are reviewed by the Departments of Curriculum Studies and Educational Studies; both sets of admission criteria apply. If accepted, students are admitted to the department of first contact and application. A co-advisor is appointed from each department to



Contact Information:

Department of Educational Studies
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-6647

Fax: 604-822-4244

Email: grad.edst@ubc.ca

Web: www.edst.educ.ubc.ca/programs/Ph-D.html

**Ph.D. Management and Admissions
Committee, Chair**

oversee each student; all courses are approved by both co-advisors. The dual designation CUST/EADM appears on students' transcripts.

Satisfactory progress as defined by the Faculty of Graduate Studies for Master's programs must be maintained.

Contact Information

Department of Educational Studies
Faculty of Education
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5374 (general)

Tel: 604-822-6647 (graduate secretary)

Fax: 604-822-4244

Email: grad.edst@ubc.ca

Website: www.edst.educ.ubc.ca

Ms. Shermila Salgadoe, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.

[1]Bill will look into specifics.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Educational Technology Degrees Offered: M.E.T. Members Professors Associate Professors Assistant Professors Program Overview <p>The {H met.ubc.ca Master of Educational Technology (M.E.T.)} is a Faculty of Education joint degree program offered online in partnership with {I 8854 Tec de Monterrey}, a Mexican University which has a special collaborative relationship with UBC. The program provides students with an opportunity to participate with a culturally diverse student population.</p> Master of Educational Technology Admission Requirements	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,683 Present Calendar Entry: Degrees Offered <i>M.E.T.</i> Master of Educational Technology <p>The Master of Educational Technology (M.E.T.) is a Faculty of Education joint degree program offered online in partnership with Tec de Monterrey, a Mexican University that specializes in online education. It provides students with an opportunity to participate with a culturally diverse student population.</p> <p>The M.E.T. degree supports a professional development, course-based program (non-thesis) consisting of a minimum of 30 credits of course work with at least 12 credits of core course work and 18 credits of electives. An option of an independent project is available for students who wish to meet British Columbia's TQS Level 6 criteria or other similar qualification standards. Fees are on a per course basis. Students are required to meet the general requirements for admission to the the Faculty of Graduate Studies at UBC. Technology Based Distributed Learning (TBDL) Certificate Program students at UBC may be eligible to request transfer credits. Further information can be obtained from met.ubc.ca or email.</p>



Students are required to meet the general requirements for admission to the Faculty of Graduate Studies at UBC. Students who started a {I|7908|Technology Based Distributed Learning (TBDL)} or a {I|7914|Technology Based Learning for Schools (TBLS)} Certificate program in 2002 or later may transfer their courses to the M.E.T degree program consistent with FoGS transfer policy.

Program Requirements

The MET degree supports a professional development, course-based program (non-thesis) consisting of a minimum of 30 credits of coursework with at least 12 credits of core coursework and 18 credits of electives. An option of an independent project, integrating work across the program is available for students who wish to meet British Columbia's Teacher Qualification Service Level Six criteria or other similar qualification standards. Fees are on a per course basis. Further information can be obtained at {H|met.ubc.ca} or email {E|info@met.ubc.ca}.

Contact Information:

External Programs & Learning Technologies
1304-2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-3622
Fax: 604-822-2015
Email: info@met.ubc.ca
Web: www.met.ubc.ca

Dave Roy, Program Assistant

Contact Information

Office of External Programs & Learning Technologies
1305-2125 Main Mall
Vancouver, BC V6T 1Z4
Tel: 604-822-3622
Email: info@met.ubc.ca
Website: met.ubc.ca

Dr. Jim Gaskell, Acting Program Coordinator/Advisor
Mr. David Roy, Administrative Contact

Type of Action:
Edit Calendar entry.

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Electrical and Computer Engineering Degrees Offered: Ph.D. M.A.Sc. Members Professors Associate Professors Assistant Professors Program Overview <u>The Ph. D. and M. A. Sc. Programs provide advanced study and research for graduates of Graduation in</u> electrical or computer engineering, engineering physics, physics, computer science or other related subjects is a prerequisite. Some students may be required to supplement their graduate studies by taking specific undergraduate courses in electrical or computer engineering. Alternatively, interdisciplinary degrees may be appropriate and can be arranged. Facilities are provided for research in:	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,683 Present Calendar Entry: Degrees Offered <i>M.A.Sc., M.Eng. Ph.D.</i> Program Overview Graduation in electrical or computer engineering, engineering physics, physics, computer science or other related subjects is a prerequisite. Some students may be required to supplement their graduate studies by taking specific undergraduate courses in electrical or computer engineering. Alternatively, interdisciplinary degrees may be appropriate and can be arranged. Facilities are provided for research in: communications and signal processing; computers and computer applications; digital system design, VLSI design and software engineering; electromagnetics; power systems and power electronics; solid state devices; microelectronics, nanoelectronics and optoelectronics; robotics and telerobotics; systems and control. Collaboration with other departments is facilitated by membership in the Advanced Materials and Process Engineering Laboratories (AMPEL), The Institute for Computing, Information and Cognitive Systems (ICICS) and the Pulp and Paper Centre. For more



communications and signal processing; computers and computer applications; digital system design, VLSI design and software engineering; electromagnetics; power systems and power electronics; solid state devices; microelectronics, nanoelectronics and optoelectronics; robotics and telerobotics; systems and control.

Collaboration with other departments is facilitated by membership in the {I|6515|Advanced Materials and Process Engineering Laboratories (AMPEL)}, {I895|The Institute for Computing, Information and Cognitive Systems (ICICS)}, Media and Graphics Interdisciplinary Centre (MAGIC) <http://www.magic.ubc.ca/>, and the {I|919|Pulp and Paper Centre}.

Students should consult the Department of Electrical and Computer Engineering for information regarding courses to be offered. For details describing current research projects visit the Electrical and Computer Engineering {H|www.ece.ubc.ca/|website}.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a M.A.Sc. degree in electrical or computer engineering or a related area, with clear evidence of research ability or potential. Transfer from the M.A.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

The program includes a thesis and 24 credits of approved courses. For those holding a master's degree or transferring from a master's program, appropriate credit will be given for courses completed.

Additional coursework may be selected in consultation with the student's supervisory committee. All doctoral students are required to complete a comprehensive examination successfully. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Applied Science

Admission Requirements

Students admitted to the M.A.Sc. degree program

information, see [Advanced Materials and Process Engineering Laboratory](#), [Institute for Computing, Information and Cognitive Systems](#) and [Pulp and Paper Centre](#) all under the chapter Research Units, Centres and Institutes.

Qualified students are admissible to programs leading to the M.A.Sc. and M.Eng. on a part-time basis.

Students should consult the Department of Electrical and Computer Engineering for information regarding courses to be offered. For details describing current research projects visit the [Electrical and Computer Engineering website](#).

Doctor of Philosophy

The program includes a thesis and 24 credits of approved courses. For those holding a master's degree or transferring from a master's program, appropriate credit will be given for courses completed.

Master of Applied Science

The program includes a thesis plus (as a minimum) the University requirement of 18 credits of approved courses, 12 of which must be at the 500 level. Normally at least six of the 18 credits will be taken in this Department, 12 credits for students with degrees in subjects other than electrical engineering.

Master of Engineering

The Master of Engineering (M.Eng.) is a study program suited to students who wish to pursue their electrical and computer engineering education beyond the undergraduate level, but who do not wish to pursue a thesis research program. Requirements for the M. Eng. are: satisfactory completion of 30 credits of courses, at least 24 of which must be for courses numbered 500 and above, at least 12 of the 24 must be in electrical and computer engineering, and 6 of the 24 may be for a supervised project report. Overall, at least 15 of the 30 credits must be in electrical and computer engineering. A typical completion time for the M. Eng. is 12 to 18 months.

Financial assistance is generally not available to M. Eng. students. The M. Eng. is not recommended as preparation for the Doctor of Philosophy program. Applicants who are considering taking a Ph.D. in the future should apply for admission to either the Master of



Normally possess a B.A.Sc. degree in electrical or computer engineering or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The program includes a 12 credit thesis plus ~~(as a minimum) the University requirement~~ of 18 credits of approved courses, 12 of which must be at the 500-level or above. ~~Normally a~~ At least six of the 18 credits will ~~normally~~ be taken in this Department. ~~12 credits for s~~ Students with degrees in subjects other than electrical or computer engineering: Take 12 credits in the Department.

Qualified students are admissible to programs leading to the M.A.Sc. on a part-time basis.

For information about the professional Master of Engineering (M.Eng.) program, please see the {I/13813/Faculty of Applied Science} or visit the {H/www.ece.ubc.ca/program website}.

Contact Information:

Department of Electrical and Computer Engineering
#5500 - 2332 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-2872
Fax: 604-822-4187
Email: gradsec@ece.ubc.ca
Web: www.ece.ubc.ca

Doris Metcalf, Graduate Secretary

Applied Science (M.A.Sc.) or Ph.D. program.

Contact Information

Department of Electrical and Computer Engineering
434 - 2356 Main Mall, MacLeod Bldg.
Vancouver, BC V6T 1Z4
Tel: 604-822-3368
Fax: 604-822-5949
Email: dorism@ece.ubc.ca
Website: www.ece.ubc.ca

Ms. Doris Metcalf, Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: English Degrees Offered: Ph.D. M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>The Department of English has awarded the M.A. degree since 1919 and the Ph.D. degree since 1962. In 2005-2006, approximately 100 students from Canada, the United States, and other countries were enrolled in graduate studies in English at UBC.</p> <p>The program offers the following degrees:</p> <ul style="list-style-type: none"> • Master of Arts (M.A.): English literature or language, thesis or course-based, full-time or part-time • Doctor of Philosophy (Ph.D.): English literature or language, full-time only 	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,234 Present Calendar Entry: Degrees Offered <i>M.A.</i> <i>Ph.D.</i> Program Overview <p>The Department of English offers opportunities for advanced study in British, American, Canadian, and Commonwealth/Postcolonial literature, and in English language including rhetoric. The UBC Library has excellent working collections in most areas and particularly strong collections of periodicals, Malcolm Lowry materials, modern Irish literature, Canadian, and, in the Colbeck Collection, nineteenth- and early twentieth-century English literature. Seminars are offered annually in the major periods, figures, genres and critical approaches. The Department's brochure, <i>English Courses Offered</i>, provides extensive descriptions of each seminar.</p> <p>For detailed requirements concerning the Master of Arts, with or without thesis, the doctoral program, and the possibility of part-time study for the master's degree, students should consult the Department's graduate handbook. Information is also available from the Department of English website.</p> Contact Information



Doctor of Philosophy

Admission Requirements

The program limits Ph.D. admissions to students with at least First class standing in the M.A. degree, and also advises that entry to the program is very competitive: First class standing at the M.A. is not enough in itself to guarantee admission. Transfer from the M.A. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Students undertaking Ph.D. studies in English, with either a language or literature emphasis, will complete 18 credits of coursework in their first year of study (six graduate seminars), prepare for and write their Qualifying examinations in Year 2, write their thesis prospectus for approval at the beginning of Year 3, and research into their theses in Years 3 and 4. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

~~In their first year of Ph.D. study, students take 18 credits of coursework: six graduate seminars. Coursework enables students to prepare for research, as well as to broaden their knowledge of the discipline and fulfill the breadth expectations.~~

Students consult with the Ph.D. advisor and their qualifying supervisor in planning their coursework. Coursework enables students to prepare for research, as well as to broaden their knowledge of the discipline and fulfill the breadth expectations. Students of contemporary areas of English will be reminded of the value of advanced study of historical periods and topics in professional preparation. Serious study in a range of areas gets students ready for their own projects, and for the job market.

Normally, students select courses from the rich variety of {H|www.english.ubc.ca/grad/sem2005.htm|graduate seminars} offered by the program each year.

Master of Arts

Admission Requirements

M.A. applicants must normally hold a

Department of English
397-1873 East Mall
Vancouver, BC V6T 1Z1
Tel: 604-822-3855
Fax: 604-822-6906
Email: english.graduate.program@ubc.ca
Website: www.english.ubc.ca/grad

Ms. Louise Soga, Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

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bachelor's degree with a minimum of high second-class standing (76% or better), an upper second, or a grade point average of at least 3.33 on a four-point scale based upon all academic courses taken during the two senior undergraduate years. While upper-year English grades are the most important feature of a record, applicants should note that a First class record overall is preferred.

While applicants who have minimum requirements and grade point averages are eligible to be considered for admission, spaces in the M.A. program are very limited and lower grade averages are usually not competitive.

For detailed information on M.A. admission and program requirements, please see the {H|www.english.ubc.ca/Grad/Grad.htm|graduate program website}.

Program Requirements

Thesis option: The M.A. in Literature or Language ~~requires completion of~~ 21 credits of coursework with a minimum of 15 credits of coursework at the 500-level or above plus, of which not more than six may be 300- or 400-level courses and a nine credit thesis and oral examination. Coursework is selected in consultation with the program advisor.

Course-based option: For the course-based option, the M.A. in Literature or Language ~~requires completion of~~ 30 credits of course-work, of which not more than six credits may be 300- or 400-level courses including a minimum of 24 credits of coursework at the 500-level or above. Coursework is selected in consultation with the program advisor.

Contact Information:

Department of English, Graduate Office
#397-1873 East Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-3855

Fax: 604-822-6906

Email: english.graduate.program@ubc.ca

Web: www.english.ubc.ca/Grad/Grad.htm

Louise Soga, Graduate Student Services





Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: European Studies Degrees Offered: M.A. <i>Members</i> Professors Associate Professors Assistant Professors <i>Program Overview</i> <p>The Institute for European Studies offers a Master of Arts program in European Studies. The M.A. program in European Studies is a 2-year, full-time, interdisciplinary course of study which addresses the need for students to meet and understand the complex and changing realities of European politics, economics and culture in the 21st century. With the enlargement of the European Community, Europe represents a major political and cultural force as well as a major trading partner for Canadians. Students trained in the M.A. program will be well equipped to go on to academic research interests centering on Europe or professional career opportunities with a European focus.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,236 Present Calendar Entry: Degrees Offered <i>M.A.</i> Master of Arts <p>The program leading to the M.A. (European Studies) addresses the growing needs and demands for Canadians to understand the complexities of Europe - past, present and future. The program is administered by the Institute for European Studies. Drawing on the diversity and strengths of UBC faculty, the Institute brings together teachers, researchers, and students from across the faculties and disciplines to engage in a genuinely interdisciplinary study of Europe that addresses the balance between national and supranational constructions of politics, identity and culture.</p> <p>For admission to the M.A. program, candidates must</p> <ol style="list-style-type: none">1. possess a bachelor's degree or the equivalent with an excellent academic record from a recognized university in an area which is regarded as appropriate to the admissions committee for the program;2. satisfy the requirements for admission to the Master of Arts program in the Faculty of Graduate Studies; and



Master of Arts

Admission Requirements

Students admitted to the M.A. degree program normally possess a B.A. degree in a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies. Applicants are required to have taken a course on Europe in the Twentieth Century (History 463 or equivalent) as a prerequisite or corequisite.

Program Requirements

- The Masters of Arts in European Studies is awarded on the completion of 30 credits of coursework or 21 credits of coursework plus a 9-credit thesis.
- Students ~~programs~~ must ~~take~~include five core courses ~~and write either a Master's thesis or take a total of 30 credits.~~
- First-year students in the MA program will be expected to take a 1-credit pro-seminar in European Studies ~~to be offered every two weeks for one year.~~ The seminar is designed to ensure a sense of community among European Studies students by bringing them together as a group on a regular basis.
- Elective courses will be selected in consultation with the program's graduate advisor to support the interdisciplinary nature of the program. Electives should constitute a coherent field of study and should include at least one humanities course.

Contact Information:

Institute for European Studies
182 C.K. Choi Bldg, 1855 West Mall
Vancouver, BC V6T 1Z2

Tel: 604-822-1452

Fax: 604-822-3433

Email: europe@interchange.ubc.ca

Web: www.ies.ubc.ca

Rob Stoddard, Assistant to the Director

3. show promise of success or superior accomplishment as attested by letters of reference.

The M.A. (European Studies) is awarded on the completion of 30 credits of coursework or 21 credits of coursework plus a nine-credit thesis. Students must demonstrate oral and written proficiency in a major European language other than English.

Contact Information

Institute for European Studies
182 C.K. Choi Building
1855 West Mall
Vancouver, BC V6T 1Z2
Tel: 604-822-1452
Fax: 604-822-3433
Email: europe@interchange.ubc.ca
Website: www.ies.ubc.ca

Mr. Rob Stoddard, Administrator

See also *Institute for European Studies*
under Research Units, Centres and Institutes.

Type of Action:
Edit Calendar entry.

Rationale:

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UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Experimental Medicine Degrees Offered: Ph.D. M.Sc. Members Professors <p>T. Bai, M. Brauer, R. Brunham, A. Chow, A. Churg, V. Duronio, A. Eaves, C. Eaves, J. Esdaile, J. Fleetham, V. Ho, K. Humphries, S. Kennedy, P. Keown, G. Krystal, S. Lam, V. Ling, H. Lui, J. McLarnon, J. Montaner, J. Oger, P. Paré, S. Pelech, G. Quamme, S. Rabkin, N. Reiner, J. Road, J. Russell, R. Schellenberg, J. Schrader, U. Steinbrecher, G. Stiver, J. Stoessl, F. Takei, J. Taunton, J. Tsui, S. Vincent, K. Walley, Y. Wang, G. Warnock, N. Wong, P. Wong, M. Yeung, H. Ziltener.</p> Associate Professors <p>R. Armstrong, S. Dunn, J. Dutz, J. Fitzgerald, S. Hayashi, R. Hegele, A. Karsan, N. Khalil, T. Oxland, T. Podor, D. Reid, C. Roberts, W. P. Robinson, C. Seow, C. Shaw, E. Skarsgard, P. Sorensen, R. Stokes, H. Ward, P. Wilcox.</p> Assistant Professors	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,237 Present Calendar Entry: Degrees Offered <p><i>M.Sc.</i> <i>Ph.D.</i></p> Program Overview <p>The Experimental Medicine Program is intended for individuals seeking a career in medical research. It furnishes the opportunity for students to work toward both the Master of Science and Doctor of Philosophy in the following specialties: cardiology, cancer biology, dermatology, gastroenterology, hematology/oncology, infectious diseases, molecular medicine, nephrology, neurology, and respiratory medicine. All these fields can involve patients and/or experimental animal models. Normally, applicants for the Master of Science program will have a Bachelor of Science in life sciences, biology, zoology or biochemistry, or have a M.D., D.M.D. or D.V.M., while the Ph.D. applicant will have a M.Sc. in life sciences, biology, zoology or biochemistry. Students with equivalent degrees may also apply for admission.</p> <p>The Experimental Medicine Program accepts students with career goals compatible with the training the program provides. The requirements of the Faculty of Graduate Studies must also be met. A suitable research supervisor must agree to accept a potential student prior to an offer of</p>



C. Helgason, F. Rossi, Y. Av-Gay, A. Cherkasov, M. Cox, D. Dorscheid, M. Grigg, Z. Hmama, J. Kast, K. Khan, M. Levings, G. Li, H. McKay, K. McNagny, A. Mui, D. Nandan, C. Nelson, D. Redenbach, B. Salh, S. Spacey, T. Steiner, B. Vallance, P. vonDadelszen, Y. Zhou.

Program Overview

The Experimental Medicine Program is intended for individuals seeking a career in medical research. It furnishes the opportunity for students to work toward both the Master of Science and Doctor of Philosophy in the following specialties: cardiology, cancer biology, dermatology, gastroenterology, hematology/oncology, infectious diseases, molecular medicine, nephrology, neurology, and respiratory medicine. All these fields can involve patients and/or experimental animal models.

The Experimental Medicine Program accepts students with career goals compatible with the training the program provides. The requirements of the Faculty of Graduate Studies must also be met. A suitable research supervisor must agree to accept a potential student prior to an offer of admission to the program.

Please note that a TOEFL score of 590 or greater is required for international students applying to this program.

<http://students.ubc.ca/calendar/index.cfm?tree=12,204,345,0>

Students should contact the Experimental Medicine Program Office for further information. A brochure is available on request.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a M.Sc. degree in life sciences, biology, zoology or biochemistry or a related area, with clear evidence of research ability or potential. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Appropriate coursework may be selected in

admission to the program.

Please note that a TOEFL score of 590 or greater is required for international students applying to this program.

Students should contact the Experimental Medicine Program Office for further information. A brochure is available on request.

Contact Information

Experimental Medicine Program
Room S-154, University Hospital (Koerner Pavilion)
2211 Wesbrook Mall
Vancouver, BC V6T 1Z3
Tel: 604-822-7215
Fax: 604-822-7897
Email: exptlmed@interchange.ubc.ca
Website:

www.medicine.ubc.ca/experimental-medicine/index.shtml

Patrick Carew, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



consultation with the student's supervisory committee. Normally, all students are required to take 18 credits of coursework, which would include MEDI 501, MEDI 502, and 12 credits of additional courses. At least six credits of these additional courses must be taken at the 500 level. Students are permitted to take a maximum of 6.0 credits at the undergraduate level in courses numbered 300 to 499. In some cases students entering the program with a Master's degree or transferring from another program may be excused from the coursework requirement if such an exemption is approved by the Program Director and the Research Supervisor. A statistics course (e.g. BIOL 300) is recommended for all students whose previous background in this area is not adequate.

All doctoral students are required to complete a comprehensive examination successfully by the end of the second year. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a Bachelor of Science in life sciences, biology, zoology or biochemistry, or have a M.D., D.M.D. or D.V.M. or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

Normally, all students are required to take 18 credits of coursework, which would include MEDI 501, MEDI 502, and 12 credits of additional courses. At least six credits of these additional courses must be taken at the 500 level. Students are permitted to take a maximum of 6.0 credits at the undergraduate level in courses numbered 300 to 499. A statistics course (e.g. BIOL 300) is recommended for all students whose previous background in this area is not adequate.

Contact Information:

Experimental Medicine Program
Room S-125 Koerner Pavilion, 2211
Wesbrook Mall
Vancouver, BC V6T 1Z3

Tel: 604-822-7215



Fax: 604-822-7897

Email: exptlmed@interchange.ubc.ca

Web: www.medicine.ubc.ca/experimental-medicine/index.shtml

Patrick Carew, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Fine Arts Degrees Offered: Ph.D. M.A. M.F.A. Members Professors Associate Professors Assistant Professors Program Overview <p>The Department of Art History, Visual Art, and Theory offers opportunities for advanced study of art history in the major periods of European and North American art, in certain areas of Asian art and in the indigenous arts of the Americas leading to the Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.). It also offers advanced studies in visual art, leading to the Master of Fine Arts (M.F.A.). For information about the Critical and Curatorial Studies option, leading to the Master of Arts in Art History (Critical Curatorial Studies), please see I 11162 Art History (Critical Curatorial Studies)).</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,240 Present Calendar Entry: Degrees Offered <i>M.A., M.F.A.</i> <i>Ph.D.</i> Program Overview <p>The Department of Art History, Visual Art, and Theory offers opportunities for advanced study of art history in the major periods of European and North American art, in certain areas of Asian art and in the indigenous arts of the Americas leading to the Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.). It also offers advanced studies in studio work, leading to the Master of Fine Arts (M.F.A.).</p> Doctor of Philosophy <p>The Ph.D. in Art History encourages high scholastic achievement, original research, and firm theoretical grounding. Normally, admission to the Ph.D. requires the completion of an M.A. in Art History, including reading knowledge of one language other than English. Students with master's degrees in related fields may be required to complete additional art history courses for their Ph.D. program.</p> <p>The program involves coursework, a language requirement, two comprehensive examinations, a thesis proposal, a round table presentation</p>



Doctor of Philosophy

Admission Requirements

The Ph.D. in Art History encourages high scholastic achievement, original research, and firm theoretical grounding. Normally, admission to the Ph.D. requires the completion of an M.A. in Art History, including reading knowledge of one language other than English. Students with master's degrees in related fields may be required to complete additional art history courses for their Ph.D. program.

Program Requirements

The program involves coursework, a language requirement, two comprehensive examinations, a thesis proposal, a round table presentation and a Ph.D. thesis. Students are normally required to take coursework at the 500-level, including ARTH 571, the Methodology Seminar, unless it has been taken within the previous 5 years. Exams require students to be proficient in both a major and a minor field, in order to qualify them for both doctoral thesis research and university teaching. Reading knowledge of a second language, other than English, (the first language having been required for the M.A.), relevant to the field of study is also required. Students are admitted to candidacy once they have completed the residency period, all required coursework, the language requirement, and passed the candidacy examinations.

Master of Arts

The M.A. in Art History is a 2-year program with thesis, designed to instruct students in methods of research and presentation of scholarly materials. It qualifies them for professional work in the discipline.

Admission Requirements

~~The M.A. in Art History is a 2-year program with thesis, designed to instruct students in methods of research and presentation of scholarly materials. It qualifies them for professional work in the discipline.~~ Applicants for the M.A. Program in Art History should have preparation in the discipline equivalent to the undergraduate major at UBC. Applicants must meet the minimum admission requirements of FoGS

and a Ph.D. thesis. Students are normally required to take course work at the 500 level, including ARTH 571, the Methodology Seminar, unless it has been taken within the previous five years. Exams require students to be proficient in both a major and a minor field, in order to qualify them for both doctoral thesis research and university teaching. Reading knowledge of a second language, other than English, (the first language having been required for the M.A.), relevant to the field of study is also required. Students are admitted to candidacy once they have completed the residency period, all required coursework, the language requirement, and passed the candidacy examinations.

Master of Arts: M.A. in Fine Arts (Art History)

The M.A. in Art History is a two-year program with thesis, designed to instruct students in methods of research and presentation of scholarly materials. It qualifies them for professional work in the discipline. Applicants for the M.A. Program in Art History should have preparation in the discipline equivalent to the undergraduate major at UBC.

The M.A. degree requires 30 credits of which 24 credits must be in courses numbered 500 or above. These will include the Methodology Seminar (ARTH 571, 6 credits) and the Master's Thesis (ARTH 599, 6 credits). Reading knowledge of one language other than English and relevant to the field of study is required.

Master of Arts: M.A. in Art History (Critical and Curatorial Studies)

Critical and Curatorial Studies is a stream within the Department of Art History, Visual Art, and Theory; students will receive a Master of Arts in Art History (Critical and Curatorial Studies). The degree requires 30 credits of which 15-credits are in Critical and Curatorial Studies courses, plus a major paper worth 3 credits. A minimum of 6 credits must be selected from the graduate-level courses in the Department of Art History, Visual Art, and Theory with the ARTH course designation. Up to six elective credits may be graduate courses selected from outside of the Department. Students wishing to apply for this concentration must specify Critical and Curatorial Studies in a written application to the Department of Art History, Visual Art, and Theory.

Program Courses:

- CCST 500, Seminar in Historical



Program Requirements

The M.A. degree requires 30 credits: of which at least 24 credits must be in courses numbered 500 or above. These will include the Methodology Seminar (ARTH 571, six credits) and the Master's Thesis (ARTH 599, six credits). Reading knowledge of one language other than English and relevant to the field of study is required.

Master of Fine Arts (Visual Art)

The program provides a period of intensive conceptual and technical development for those students wishing to pursue a professional career in advanced contemporary art. The M.F.A. degree is also the standard qualifying degree for teaching visual arts at the post-secondary level. The M.F.A. program is dedicated to helping students understand both the making and theorizing of the art object against the background of the diverse intellectual environment of a major university.

Students in the program may work in any area of contemporary art production including painting, drawing, printmaking, three-dimensional and installation work, photography, digital, multimedia, or in any interdisciplinary form. The program does not include training in applied art, commercial art and design, film or television.

Admission Requirements

Applications will be considered from persons who hold a bachelor's degree and satisfy the requirements for admission to Graduate Studies. Applicants normally hold a B.F.A., B.A. or B.Ed. degree with a major in Visual Art. It is strongly advised that, at a minimum, an applicant have 18 academic credits (i.e. non-studio courses) at the 300-level or above, with at least a B- (68%) standing in each. This is to ensure that, if admitted, the student will benefit from the academic components of the program.

Important consideration governing the admission process is the assessment of the portfolio submitted as evidence of artistic standing. Assessment is also based on the Statement of Intent, letters of reference, academic record, published writing or other evidence of achievement.

Program Requirements

Frameworks for Critical Curatorial Studies (3 credits), and

- CCST 501, Seminar in Contemporary Contextual Issues for Critical and Curatorial Practice (3 credits)
- CCST 502, Case Studies in Exhibitions and Institutions (3 credits)
- CCST 503, Graduate Practicum (6 credits)
- CCST 504, Major Paper (3 credits)

Master of Fine Arts (Studio Art)

The program provides a period of intensive conceptual and technical development for those students wishing to pursue a professional career in advanced contemporary art. The M.F.A. degree is also the standard qualifying degree for teaching visual arts at the post-secondary level. The M.F.A. program is dedicated to helping students understand both the making and theorizing of the art object against the background of the diverse intellectual environment of a major university.

Students in the program may work in any area of contemporary art production including painting, drawing, printmaking, three-dimensional and installation work, photography, digital, multimedia, or in any interdisciplinary form. The program does not include training in applied art, commercial art and design, film or television.

Applications will be considered from persons who hold a bachelor's degree and satisfy the requirements for admission to Graduate Studies. Applicants normally hold a B.F.A., B.A. or B.Ed. degree with a major in Studio Art. It is strongly advised that, at a minimum, an applicant have 18 academic credits (i.e. non-studio courses) at the 300 level or above, with at least a B- (68%) standing in each. This is to ensure that, if admitted, the student will benefit from the academic components of the program.

Important consideration governing the admission process is the assessment of the portfolio submitted as evidence of artistic standing. Assessment is also based on the Statement of Intent, letters of reference, academic record, published writing or other evidence of achievement.

The M.F.A. program requires two academic years of course work and completion within two years (24 months) minimum and five years (60



~~The program provides a period of intensive conceptual and technical development for those students wishing to pursue a professional career in advanced contemporary art. The M.F.A. degree is also the standard qualifying degree for teaching visual arts at the post-secondary level. The M.F.A. program is dedicated to helping students understand both the making and theorizing of the art object against the background of the diverse intellectual environment of a major university.~~

~~Students in the program may work in any area of contemporary art production including painting, drawing, printmaking, three-dimensional and installation work, photography, digital, multimedia, or in any interdisciplinary form. The program does not include training in applied art, commercial art and design, film or television.~~

The M.F.A. program requires 2 academic years of coursework and completion within 2 years (24 months) minimum and 5 years (60 months) maximum after initial registration. The ~~specific requirements are as follows~~degree requires 36 credits of coursework including:

- 1) VISA 581 (12 credits) and VISA 582 (12 credits). These seminars constitute an integrated, two-year Visual Art program worked out in consultation with the student, leading to the final major paper and exhibition.
- 2) ~~An additional 12 credits of coursework numbered 400 or above. Academic courses, numbered 400 or above, carrying a total of 12 credits.~~

The M.F.A. degree is awarded after the successful completion of all coursework, the round-table presentation, a final exhibition of art work and completion of a major paper. The final exhibition of work must demonstrate to the satisfaction of the faculty the candidate's capacity for independent creative work. The major paper should focus on a topic related to the student's own interests and artistic practice placing the creative work in the context of both the intellectual interests of the candidate and a wider field of study. At least one external examiner will be involved in the examination of the final presentation and major paper.

Contact Information:

months) maximum after initial registration. The specific requirements are as follows:

1. VISA 581 (12 credits) and VISA 582 (12 credits). These seminars constitute an integrated, two-year Visual Art program worked out in consultation with the student, leading to the final major paper and exhibition.
2. Academic courses, numbered 400 or above, carrying a total of 12 credits.

The M.F.A. degree is awarded after the successful completion of all course work, the round-table presentation, a final exhibition of art work and completion of a major paper. The final exhibition of work must demonstrate to the satisfaction of the faculty the candidate's capacity for independent creative work. The major paper should focus on a topic related to the student's own interests and artistic practice placing the creative work in the context of both the intellectual interests of the candidate and a wider field of study. At least one external examiner will be involved in the examination of the final presentation and major paper.

Contact Information

Department of Art History, Visual Art and Theory
403 - 6333 Memorial Road
Vancouver, BC V6T 1Z2
Tel: 604-822-5650
Fax: 604-822-9003
Email: whitneyf@interchange.ubc.ca
Website: www.finearts.ubc.ca
Ms. Whitney Friesen, Secretary to the Head & Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Department of Art History, Visual Art, and
Theory
403-6333 Memorial Road
Vancouver, BC V6R 1Z2

Tel: 604-822-5650

Fax: 604-822-9003

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Web: www.finearts.ubc.ca

TBA, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Genetics Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>Studies leading to the Master of Science and Doctor of Philosophy in Genetics and Genomics are available through the Genetics Graduate Program in the Faculty of Graduate Studies.</p> <p>The Genetics Graduate Program is flexible and is intended to accommodate the diverse background of students and the broad nature of genetic research.</p> Doctor of Philosophy	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,245 Present Calendar Entry: Degrees Offered <p><i>M.Sc.</i> <i>Ph.D.</i></p> Program Overview <p>Studies leading to the Master of Science and Doctor of Philosophy in Genetics and Genomics are available through the Genetics Graduate Program in the Faculty of Graduate Studies.</p> <p>The Genetics Graduate Program is flexible and is intended to accommodate the diverse background of students and the broad nature of genetic research. Students who apply for entrance must satisfy the general regulations of the Faculty of Graduate Studies, must be acceptable to the Genetics Graduate program admissions committee, and to the Head of the department in which they will work.</p> <p>The student's graduate program will be decided by the student, thesis supervisor, and the thesis committee. All students must complete 18 credits of course work in their first year, including GENE 502, and meet the formal requirements of the Faculty of Graduate Studies. In addition, students are strongly advised to take a seminar course if possible. The supervisor and thesis committee will ensure that the student takes courses that remedy any deficiencies in the student's undergraduate</p>



Admission Requirements

Students admitted to the Ph.D. degree program normally possess a M.Sc. degree in genetics or a related area, with clear evidence of research ability or potential. In addition to satisfying the general requirements of the Faculty of Graduate Studies, applicants must be acceptable to the Genetics Graduate program admissions committee, and to the Head of the department in which they will work.

Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Each student proceeding towards a Ph.D. must pass an oral comprehensive examination within the first 18 months of study. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

All students are expected to attend seminars regularly during all years of their registration in the program. All students are required to present a Genetics Program seminar upon completion of their program, and before the thesis defense.

~~A student's committee for the doctorate will consist of the supervisor and three others. The supervisor and at least one other member must be members of the Genetics Graduate Program.~~

For detailed information about application and program requirements, please visit our {H|www.genetics.ubc.ca|website}.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a B.Sc. degree in genetics or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

A student's committee for the Master of Science will consist of the supervisor and two others. The supervisor and at least one other member must be members of the Genetics Graduate Program.

Students are required to complete a

preparation. Each student proceeding towards a Ph.D. must pass an oral qualifying examination within the first 18 months of study. All students are expected to attend seminars regularly during all years of their registration in the program. All students are required to present a Genetics Program seminar upon completion of their program, and before the thesis defense.

A student's committee for the Master of Science will consist of the supervisor and two others. The supervisor and at least one other member must be members of the Genetics Graduate Program. A student's committee for the doctorate will consist of the supervisor and three others. The supervisor and at least one other member must be members of the Genetics Graduate Program.

Contact Information

Genetics Graduate Program
Room 308, Library Processing Centre
2206 East Mall
Vancouver, BC V6T 1W5
Tel: 604-822-8764
Fax: 604-822-9865
Email: genetics@interchange.ubc.ca
Website: www.genetics.ubc.ca

Ms. Monica Deutsch, Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



minimum of 30 credits including a 12 credit thesis.

The student's graduate specific program will be decided by the student, thesis supervisor, and the thesis committee. ~~All~~ Students ~~must~~ are required to complete 18 credits of coursework in their first year, including GENE 502, a seminar course and meet the formal requirements of the Faculty of Graduate Studies. ~~In addition, students are strongly advised to take a seminar course if possible.~~ The supervisor and thesis committee will ensure that the student takes courses that remedy any deficiencies in the student's undergraduate preparation.

For detailed information about application and program requirements, please visit our {H|www.genetics.ubc.ca|website}.

Contact Information:

Genetics Graduate Program
Room 308, 2206 East Mall
Vancouver, BC V6T 1Z3

Tel: 604-822-8764

Fax: 604-822-9865

Email: genetics@interchange.ubc.ca

Web: www.genetics.ubc.ca

Monica Deutsch, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Geography Degrees Offered: Ph.D. M.A. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>Programs in physical geography have a strong natural science emphasis. They focus on physical and ecological systems at or close to the earth's surface, and the interaction of these systems with people. The major substantive specializations are biogeography, (plant ecology, arctic environments), climatology, (air pollution meteorology; mesoscale modelling; urban climatology); GIS and remote sensing, (accuracy, fractals, integrated systems); geomorphology, and (alpine hydrology and geomorphology, avalanche prediction, hillslope geomorphology and mass movements; fluvial sediment transport and the interpretation of river channel changes in</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,246 Present Calendar Entry: Degrees Offered <i>M.A., M.Sc.</i> <i>Ph.D.</i> Program Overview <p>Programs in physical geography have a strong natural science emphasis. They focus on physical and ecological systems at or close to the earth's surface, and the interaction of these systems with people. The major substantive specializations are biogeography (plant ecology, arctic environments); climatology (air pollution meteorology; mesoscale modelling; urban climatology); GIS and remote sensing (accuracy, fractals, integrated systems); geomorphology (alpine hydrology and geomorphology, avalanche prediction, hillslope geomorphology and mass movements; fluvial sediment transport and the interpretation of river channel changes in BC); hydrology (surface water, snow and land use hydrology; sediment yield and quality; energy and mass balance studies in the Coast Mountains and Lower Fraser Valley of BC).</p> <p>Programs in human geography are more pluralistic. Many projects explore the connections between human geography and political economy, social theory and cultural studies and pursue their substantive implications for interpreting changes in past and present landscapes. Other work focuses on the political</p>



~~BC); hydrology, (surface water, snow and land use hydrology; sediment yield and quality; energy and mass balance studies in the Coast Mountains and Lower Fraser Valley of BC).~~

Programs in human geography are more pluralistic. Many projects explore the connections between human geography and political economy, social theory and cultural studies and pursue their substantive implications for interpreting changes in past and present landscapes. Other work focuses on the political and policy aspects of these changes ~~(especially in North America and Asia).~~ Major areas of specialization are development geography, ~~(especially East and South-East Asia); economic geography, (Marxist and post-Marxist theories of the space economy; analytical modelling; development theory; industrial restructuring and technological change); feminist geography, (gender, sexuality and geography); historical geography and (environmental history, colonialism and imperialism, urbanization, with a particular focus on North America (especially Canada), Europe, Latin America and the British Empire); social and cultural geography, (theories of modernity and postmodernity; popular culture and the geography of everyday life; ethnicity – race, class and gender; consumption, place and landscape).~~ Work in these fields often feeds into a strong general interest in urban geography ~~(urban systems, urban growth and restructuring, social and economic change, with a particular focus on North America and Asia)~~ and intersects with work in environmental geography ~~(environmental sustainability, environmental policy, community development).~~

Programs in regional geography focus upon the following regions: Canada ~~(especially Western Canada); Asia and the Pacific Rim (especially China, Japan and Southeast Asia); Russia and Eastern Europe, Latin America.~~

The Department participates actively in many interdisciplinary programs: Polar and Alpine, Asian Studies, Canadian Studies, Community and Regional Planning, Comparative Literature, Global Studies, Hydrology, International Relations, Latin American Studies, Liu Centre for the Study of Global Issues, Remote Sensing, Resource Management and Environmental Studies, Sustainable Development, Transportation Studies, Urban Studies, Women's Studies,

and policy aspects of these changes (especially in North America and Asia). Major areas of specialization are development geography (especially East and South-East Asia); economic geography (Marxist and post-Marxist theories of the space-economy; analytical modelling; development theory; industrial restructuring and technological change); feminist geography (gender, sexuality and geography); historical geography (environmental history, colonialism and imperialism, urbanization, with a particular focus on North America (especially Canada), Europe, Latin America and the British Empire); social and cultural geography (theories of modernity and postmodernity; popular culture and the geography of everyday life; ethnicity - race, class and gender; consumption, place and landscape). Work in these fields often feeds into a strong general interest in urban geography (urban systems, urban growth and restructuring, social and economic change, with a particular focus on North America and Asia) and intersects with work in environmental geography (environmental sustainability, environmental policy, community development).

Programs in regional geography focus upon the following regions: Canada (especially Western Canada); Asia and the Pacific Rim (especially China, Japan and Southeast Asia); Russia and Eastern Europe, Latin America.

The Department participates actively in many interdisciplinary programs: Polar and Alpine, Asian Studies, Canadian Studies, Community and Regional Planning, Comparative Literature, Global Studies, Hydrology, International Relations, Latin American Studies, Liu Centre for the Study of Global Issues, Remote Sensing, Resource Management and Environmental Studies, Sustainable Development, Transportation Studies, Urban Studies, Women's Studies, and the UBC-Ritsumeikan University Academic Exchange Program. Field studies include ongoing projects in the Western Arctic and Cordilleran regions of Canada and special projects in Asia.

A detailed guide to graduate studies in geography is available from the Department or on the Department's [website](#).

Doctor of Philosophy

The Doctor of Philosophy program consists of one course (either GEOG 500 or GEOG 520), additional course work if recommended by the research supervisor and/or doctoral committee, independent study, a spring review, comprehensive examination (both written and oral), and research leading to a dissertation that



and the UBC-Ritsumeikan University Academic Exchange Program. Field studies include ongoing projects in the Western Arctic and Cordilleran regions of Canada and special projects in Asia.

A detailed guide to graduate studies in Geography is available from the Department or on the Department's {H|www.geog.ubc.ca|website}.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a Master's degree in Geography or a related area, with clear evidence of research ability or potential. Transfer from the Master's to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

The Doctor of Philosophy program consists of one course (either GEOG 500 or GEOG 520), additional coursework if recommended by the research supervisor and/or doctoral committee, independent study, a spring review, comprehensive examination (both written and oral), and research leading to a dissertation meeting the Faculty of Graduate Studies requirements.

Master of Arts

Admission Requirements

Students admitted to the M.A. degree program normally possess a bachelor degree in Geography or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

There are two options for the Master of Arts:

- 1) **Thesis Option.** This option requires a 15 credit thesis and 15 credits of coursework. The 15 credits of coursework, which must include either GEOG 520 or GEOG 500 (three credits) plus nine additional credits at the 500-level or above and a 15-credit thesis.
- 2) **Course-based Option.** This option requires 30 credits of coursework (including a major essay) and a comprehensive examination. At least 24 credits must be at

is defended in an oral final examination.

Master of Arts

There are two options for the Master of Arts:

1. Thesis Option. This option requires 15 credits of course work, which must include GEOG 520 or GEOG 500 (three credits) and a 15-credit thesis.
2. Non-thesis Option. This option requires 30 credits of course work, a major essay and a comprehensive examination.

Master of Science

There are two options for the Master of Science:

1. Thesis Option. This option requires 15 credits of Science credit course work of which at least nine credits must be at the graduate level, which must include GEOG 500 (three credits) and a 15-credit thesis.
2. Non-thesis Option. This option requires 30 credits of course work, a major essay and a comprehensive examination.

Contact Information

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1984 West Mall
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Tel: 604-822-2663
Fax: 604-822-6150
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Website: www.geog.ubc.ca

Ms. Mary Luk, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



the 500-level or above.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a bachelor degree in Geography or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

There are two options for the Master of Science:

- 1) **Thesis Option.** This option requires a 15 credit thesis and 15 credits of Science credit course-work- Coursework must include of which at least nine credits must be at the graduate level, which must include GEOG 500 (three credits) and a 15-credit thesis nine additional credits at the 500-level or above.
- 2) **Course-based Option.** This option requires 30 credits of Science course-work (including a major essay) and a comprehensive examination. At least 24 credits must be at the 500 level or above.

Contact Information:

Department of Geography
1984 West Mall
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Email: gradprog@geog.ubc.ca

Web: www.geog.ubc.ca

Junnie Cheung, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Science Department: Earth and Ocean Sciences Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Geological Engineering Degrees Offered: Ph.D., M.A.Sc., M.Eng. Members Professors Associate Professors Assistant Professors Program Overview <p>The Geological Engineering Program is intended for students interested in the application of earth sciences principles to engineering problems. While most geological engineering degree programs are based in the Department of Earth and Ocean Sciences, students may also base their studies in allied Applied Science departments such as Civil or Mining Engineering. Indeed, the program is highly interdisciplinary and draws upon courses, laboratories and faculty members from the departments of Earth and Ocean Sciences, Civil Engineering, Mining Engineering, Forestry, Geography and</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,247 Present Calendar Entry: Degrees Offered <p><i>M.A.Sc., M.Eng. Ph.D.</i></p> Program Overview <p>Opportunities for graduate work in geological engineering are available at UBC in the Geological Engineering program. Most programs are based in the Department of Earth and Ocean Sciences, but they may also be based in the Departments of Civil Engineering or Mining Engineering. Entrance to a program leading to a graduate engineering degree in the earth sciences is open only to students with an appropriate undergraduate degree in engineering or Applied Science.</p> <p>Opportunities for graduate studies in geological engineering exist in the fields of environmental geology, engineering geology, economic geology, and applied geophysics. The specific fields of study may involve geomorphology and terrain analysis, groundwater hydrology, natural hazards, slope stability, petroleum and coal geology, mineral prospecting and valuation, and other similar subjects. The Geological Engineering Program aims to promote interaction between the Department of Earth and Ocean Sciences and Applied Science departments, especially Civil Engineering and</p>



others. Graduate students are often co-supervised by faculty members from different departments.

Geological engineering faculty members in the Department of Earth and Ocean Sciences have research interests in the following general areas:

- Landslides, debris flows, engineering geology, slope stability
- Groundwater hydrology, groundwater contamination and remediation, reactive transport modeling, environmental geochemistry
- Rock engineering, rock slopes and tunneling

Other research areas include geotechnical engineering, environmental geology, engineering geology, economic geology, and applied geophysics.

The specific fields of study may involve geomorphology and terrain analysis, groundwater hydrology, natural hazards, slope stability, petroleum and coal geology, coalbed methane, mineral prospecting and valuation, and other similar subjects. Students are encouraged to consult individual faculty members for information about current research areas.

Admission to graduate studies in geological engineering is only open to students with an undergraduate degree in engineering or, at the discretion of the program director, to students with sufficient engineering work experience.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a master's degree in an area of applied science or engineering, with clear evidence of research ability or potential. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

The Ph.D. degree typically requires 4 to 5 years to complete. There are no formal course requirements for the Ph.D. program. Appropriate coursework may be selected in consultation with the student's supervisory committee. All doctoral

Mining Engineering.

Prospective applicants should consult the descriptions of graduate study in the pertinent departments. Students accepted in any of these departments must satisfy the usual graduate requirements of the department in which they are registered. Interdisciplinary programs that involve courses from two or more of the associated departments (and from other departments) are encouraged and supported. The Board of Study for Geological Engineering (as described in [*The Faculty of Applied Science*](#)) will act in an advisory capacity for students involved in interdisciplinary studies.

Contact Information

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Ms. Alex Allen, Graduate Secretary

Type of Action:

Inserted Admission Requirements

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Applied Science

Admission Requirements

Students admitted to the M.A.Sc. degree program normally possess a bachelor's degree in an area of applied science or engineering, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The M.A.Sc. degree typically requires 2 years to complete. It consists of a 12-credit thesis and 18 credit in graduate or advanced courses (300 to 400 level) in geological engineering and related fields selected in consultation with the student's supervisory committee. A minimum of 24 credits must be at the 500 level and above.

Master of Engineering

Admission Requirements

Students admitted to the M.Eng. degree program normally possess a bachelor's degree in an area of applied science or engineering, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

This professional degree requires 27 credits of coursework plus a 3-credit major essay. Upon admission, students are assigned to an advisor who approves courses, typically from Earth and Ocean Sciences and Applied Sciences, and supervises the major essay research project. It is possible for full-time students commencing in September to complete the course work requirements in 1 year. The M.Eng. in Geological Engineering may be completed on a part-time basis.



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Alex Allen, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

<p>Faculty: Science Department: Earth and Ocean Sciences Faculty Approval Date:</p> <p>Effective Session ____ Term ____ Year ____ for Change</p>	<p>Date: Contact Person: Joyce Tom Phone: Email:</p>
<p>Proposed Calendar Entry:</p> <p>Geological Science</p> <p>Degrees Offered: Ph.D., M.Sc.</p> <p>Members</p> <p>Professors</p> <p>Associate Professors</p> <p>Assistant Professors</p> <p>Program Overview</p> <p>UBC and the Province of British Columbia offer exceptional opportunity for combined field and laboratory research. The Canadian Cordillera offers research opportunities in the petrology of intrusive and volcanic rocks of many kinds, and of metamorphic rocks of all grades; in structural studies of complex metamorphic terrains exposed in three dimensions; in metalliferous deposits of varied genetic types; in mineral exploration methods; in mineralogy associated with many different environments; in complexly folded and faulted successions of bedded rocks in the mountain belts and plateaus, and in virtually undisturbed coal- and gas-bearing strata of the north-eastern part of</p>	<p>URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,248</p> <p>Present Calendar Entry:</p> <p>Degrees Offered</p> <p><i>M.Sc.</i> <i>Ph.D.</i></p> <p>Program Overview</p> <p>UBC and the Province of British Columbia offer exceptional opportunity for combined field and laboratory research. The Canadian Cordillera offers research opportunities in the petrology of intrusive and volcanic rocks of many kinds, and of metamorphic rocks of all grades; in structural studies of complex metamorphic terrains exposed in three dimensions; in metalliferous deposits of varied genetic types; in mineral exploration methods; in mineralogy associated with many different environments; in complexly folded and faulted successions of bedded rocks in the mountain belts and plateaus, and in virtually undisturbed coal- and gas-bearing strata of the north-eastern part of the province; in numerous problems of engineering, environmental geology related to water, slope stability, urban development, natural geological hazards and hydrogeology. The lakes, fjords, deltas, tidal flats, continental shelf and oceanic depths provide a wide range of aquatic environments for students interested in sedimentology, geochemistry, biostratigraphy, and geological oceanography. Faculty members also have active research programs in northern Canada and Alaska, Asia, South America, and</p>



the province; in numerous problems of engineering, environmental geology related to water, slope stability, natural geological hazards and hydrogeology. The lakes, fjords, deltas, tidal flats, continental shelf and oceanic depths provide a wide range of aquatic environments for students interested in sedimentology, geochemistry, biostratigraphy, and geological oceanography.

The Department of Earth and Ocean Sciences maintains excellent provisions for research and study. The Department hosts the Pacific Centre for Isotopic and Geochemical Research (PCIGR), a regional facility providing state-of-the-art laboratories for isotopic and geochemical analyses of rocks and fluids. Facilities include: a Nu Instruments multi-collector inductively coupled plasma mass spectrometer, a Finnigan Triton thermo-ionization mass spectrometer, an automated VG solid source mass spectrometer for U-Pb geochronology, a micromass 5400 noble gas mass spectrometer, a Finnigan Delta Plus XL stable isotope mass spectrometer, a Finnigan Element2 high resolution CIP-MS, Class 100 clean laboratory; CAMECA SX-50 electron microprobe and scanning electron microscope; equipment for x-ray diffraction, including modern single-crystal camera and powder diffractometer; analytical geochemical equipment for atomic absorption, colorimetry, wet chemistry, chromatography, and spectrography; a rock deformation laboratory, including three triaxial rock deformation presses; a physical properties laboratory; rock and mineral preparation equipment; microscopes and computer imaging laboratories; hydrogeology and palaeontology laboratories; and a machine shop. The Mineral Deposit Research Unit conducts industry-sponsored research.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a master's degree in an area of science or applied science, with clear evidence of research ability or potential. Transfer from the master's to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Europe.

Cooperation with other departments at UBC (notably the Departments of Geography, Botany, Soil Science, Metals and Materials Engineering, Mining Engineering, and Civil Engineering) enables students to take advantage of facilities, instruction and advice in neighbouring fields. Cooperation and support is also received from the BC Ministry of Energy Mines and Petroleum Resources, the Geological Survey of Canada, and the mining industry.

The Department of Earth and Ocean Sciences maintains excellent provisions for research and study. The Department hosts the Pacific Centre for Isotopic and Geochemical Research (PCIGR), a regional facility providing state-of-the-art laboratories for isotopic and geochemical analyses of rocks and fluids. Facilities include: a Nu Instruments multi-collector inductively coupled plasma mass spectrometer, a Finnigan Triton thermo-ionization mass spectrometer, an automated VG solid source mass spectrometer for U-Pb geochronology, a micromass 5400 noble gas mass spectrometer, a Finnigan Delta Plus XL stable isotope mass spectrometer, a Finnigan Element2 high resolution CIP-MS, Class 100 clean laboratory; CAMECA SX-50 electron microprobe and scanning electron microscope; equipment for x-ray diffraction, including modern single-crystal camera and powder diffractometer; analytical geochemical equipment for atomic absorption, colorimetry, wet chemistry, chromatography, and spectrography; a rock deformation laboratory, including three triaxial rock deformation presses; a physical properties laboratory; rock and mineral preparation equipment; microscopes and computer imaging laboratories; hydrogeology and palaeontology laboratories with computer workstations; and a machine shop. The Mineral Deposit Research Unit conducts industry-sponsored research.

Doctor of Philosophy

Courses in Geology and related fields will be selected in consultation with the candidate's committee.

Master of Science (with thesis)

Courses include a 12-credit thesis and 18 credits in graduate or advanced courses in geology and related fields selected in consultation with the candidate's committee.

Master of Science (without thesis)



Courses in Geology and related fields will be selected in consultation with the student's supervisory committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a bachelor's degree in an area of science or applied science, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The Master of Science (with thesis) program consists of a 12-credit thesis and 18 credits in graduate or advanced courses in geology and related fields selected in consultation with the student's supervisory committee.

The Master of Science (without thesis) program includes 27 credits in graduate or advanced courses in geology and related subjects and a three-credit graduating paper, selected in consultation with the student's supervisory committee.

A minimum of 24 credits must be at the 500 level and above.

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Alex Allen, Graduate Secretary

Courses include 27 credits in graduate or advanced courses in geology and related subjects and a three-credit graduating paper, selected in consultation with the candidate's committee.

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Ms. Alex Allen, Graduate Secretary

Type of Action:

Inserted Admission Requirements

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Science Department: Earth and Ocean Sciences Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Geophysics Degrees Offered: Ph.D., M.Sc., M.A.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>Theoretically and experimentally oriented Master of Science (M.Sc.), Master of Applied Science (M.A.Sc.) and Doctor of Philosophy (Ph.D.) programs are offered in a number of key areas of geophysics. Current fields of interest are glaciology with studies in glacier physics; geodynamics of the crust and upper mantle with an emphasis on numerically modeling lithosphere deformation and earthquakes; reflection seismology with the goal to make inferences on the geological and rock-physical processes responsible for seismic discontinuities; time-series analysis and wavelet processing; inversion methodologies with application to reflection</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,249 Present Calendar Entry: Degrees Offered <p><i>M.A.Sc., M.Sc.</i> <i>Ph.D.</i></p> Program Overview <p>Theoretically and experimentally oriented Master of Science (M.Sc.), Master of Applied Science (M.A.Sc.) and Doctor of Philosophy (Ph.D.) programs are offered in a number of key areas of geophysics. Current fields of interest are glaciology with studies in glacier physics; geodynamics of the crust and upper mantle with an emphasis on numerically modeling lithosphere deformation and earthquakes; reflection seismology with the goal to make inferences on the geological and rock-physical processes responsible for seismic discontinuities; time-series analysis and wavelet processing; inversion methodologies with application to reflection seismology, mineral exploration and environmental studies; seismology with observational programs in crustal and upper mantle studies; reflection, refraction, and earthquake studies focused on understanding past and current tectonic processes in Western Canada; and theoretical model studies to investigate wave propagation in laterally heterogeneous media.</p>



seismology, mineral exploration and environmental studies; seismology with observational programs in crustal and upper mantle studies; reflection, refraction, and earthquake studies focused on understanding past and current tectonic processes in Western Canada; and theoretical model studies to investigate wave propagation in laterally heterogeneous media.

Doctor of Philosophy

Admission Requirements

Applicants are expected to have a Master's degree in science or engineering, with a firm background of mathematics and physics up to fourth-year level. While some undergraduate instruction in geophysics or geology is an advantage, it is not a prerequisite for entry into geophysics graduate programs of the Department of Earth and Ocean Sciences. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Geophysics students who have not completed a course in physics of the Earth at either the senior undergraduate or graduate level will be required to register for EOSC 453. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Applicants are expected to have the equivalent of an honours bachelor degree in science, with a firm background of mathematics and physics up to fourth-year level. While some undergraduate instruction in geophysics or geology is an advantage, it is not a prerequisite for entry into geophysics graduate programs of the Department of Earth and Ocean Sciences.

Master of Applied Science, Master of Science, and Doctor of Philosophy

Candidates are expected to have the equivalent of an honours degree in science or engineering, with a firm background of mathematics and physics up to fourth-year level. While some undergraduate instruction in geophysics or geology is an advantage, it is not a prerequisite for entry into geophysics graduate programs of the Department of Earth and Ocean Sciences. Geophysics students who have not completed a course in physics of the Earth at either the senior undergraduate or graduate level will be required to register for EOSC 453. The M.A.Sc. and M.Sc. programs consist of 12 credits of thesis and 18 credits of course work.

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Ms. Alex Allen, Graduate Secretary

Type of Action: Proof read

Rationale:

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Program Requirements

Geophysics students who have not completed a course in physics of the Earth at either the senior undergraduate or graduate level will be required to register for EOSC 453. The M.Sc. program consists of 12 credits of thesis and 18 credits of course work. A minimum of 24 credits must be at the 500 level and above.

Master of Applied Science

Admission Requirements

Applicants are expected to have the equivalent of an honours degree in engineering, with a firm background of mathematics and physics up to fourth-year level. While some undergraduate instruction in geophysics or geology is an advantage, it is not a prerequisite for entry into geophysics graduate programs of the Department of Earth and Ocean Sciences.

Program Requirements

Geophysics students who have not completed a course in physics of the Earth at either the senior undergraduate or graduate level will be required to register for EOSC 453. The M.A.Sc. program consists of 12 credits of thesis and 18 credits of course work. A minimum of 24 credits must be at the 500 level and above.

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Alex Allen, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Germanic Studies Degrees Offered: Ph.D. M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>Our graduate program provides excellent opportunities to cross and join boundaries by participating in the continued construction of new disciplinary configurations. In order to facilitate research and development of unique scholarly projects, students are free to draw on a broad range of faculty both on and off campus. They are encouraged to explore canonical and non-canonical texts, and to take advantage of the many interdisciplinary, intercultural and other dimensions which presently give shape to the Program in German at UBC.</p> <p>For details please visit our</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,250 Present Calendar Entry: Degrees Offered <i>M.A.</i> <i>Ph.D.</i> Master of Arts and Doctor of Philosophy <p>The Department of Central, Eastern and Northern European Studies offers courses leading to the Doctor of Philosophy and the Master of Arts (with or without thesis). The courses and seminars are normally given either every year or every second year. For details concerning these courses and for information on specific requirements for graduate degrees, application should be made to the graduate advisor of the Department of Central, Eastern and Northern European Studies.</p> <p>The resources of the UBC Library are adequate for research in all fields of German literature and are particularly strong in the medieval and the nineteenth- and twentieth-century areas. Funds are available for the acquisition of materials in areas in which graduate students develop specific interest. To complement library resources, the Department maintains a reading room for graduate students, in which reference works, editions of standard authors, and some periodicals are kept.</p>



{H|www.german.ubc.ca|website}.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a M.A. degree as well as a general knowledge of the broad outlines of German language and literature and of German political, cultural and social history, and that they are familiar with both the basic tools of study and the basic methods of critical analysis. Transfer from the M.A. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

With the above as a foundation, the Ph.D. program will focus on the application of the major critical theories and the development of discipline-related expertise. The methods by which the students develop this expertise may vary from one-to-one discussions and small tutorial groups to formal seminars and lectures. Students will also participate in departmental colloquia (see below).

Whatever the format, students should be mindful of the general goal, which, in addition to their expertise in German language and literary study, is to develop their capacity for critical thinking and their ability to express their thoughts and ideas independently.

Appropriate coursework ~~may be~~ is selected in consultation with the student's supervisory committee. All doctoral students are required to ~~successfully~~ complete a comprehensive examination ~~successfully~~. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

For details please visit our
{H|www.german.ubc.ca|website}.

Master of Arts

The program of study intended as preparation for a career in teaching and/or research in German literature and provides a possible foundation for doctoral study in Germanic Studies.

Since the emphasis is on the study of literature and

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Ms. Christa Rathje, Graduate Secretary

Type of Action:
Edit Calendar entry.

Rationale:

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literary historiography, students have the opportunity to develop a comprehensive knowledge and critical judgment of German literary history, acquire an understanding of literary texts in their aesthetic, social, political, (inter)cultural, and historical dimensions, apply a variety of critical methods and theories to the study of literary texts, refine literary sensibilities, analytical skills and conceptual abilities.

Admission Requirements

Students entering the M.A. Program normally possess a bachelor degree and are expected to have a high level of linguistic proficiency and a working familiarity with German literary, cultural, social, political and intellectual history.

Program Requirements

There are two options for the M.A.:

1. Thesis option requires a 9 credit thesis, 9 credits of obligatory courses and 12 credits of additional coursework excluding the extended research paper. At least 24 credits must be at the 500 level or above.
2. Course-based option requires 30 credits of coursework including GERM 548. At least 24 credits must be at the 500-level or above.

~~Students are required to complete 30 credits and to take a comprehensive examination. The program of study intended as preparation for a career in teaching and/or research in German literature and provides a possible foundation for doctoral study in Germanic Studies.~~

~~Since the emphasis is on the study of literature and literary historiography, students have the opportunity to develop a comprehensive knowledge and critical judgment of German literary history, acquire an understanding of literary texts in their aesthetic, social, political, (inter)cultural, and historical dimensions, apply a variety of critical methods and theories to the study of literary texts, refine literary sensibilities, analytical skills and conceptual abilities.~~

For details please visit our
{H|www.german.ubc.ca|website}.

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Christa Rathje, Department Secretary



UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Health Administration Degrees Offered: M.H.A. <i>Program Overview</i> <p>The Master of Health Administration (M.H.A.) is offered by the Department of Health Care and Epidemiology, in conjunction with the Sauder School of Business.</p> <p>The M.H.A. curriculum provides the educational and professional foundations for leadership in the health services field. It emphasizes analytical thinking and aims to provide graduates who are skilled professionals with in-depth applied administrative research tools. Graduates are expected to be capable of identifying and solving complex organizational and assessment problems in the health services sector.</p> <p>The M.H.A. has a professional executive focus and is taught in modular (1.5 credit) format: Friday afternoon through Sunday afternoon, approximately one weekend per month. The full program takes two calendar years to complete. All 24 courses are required, in addition to a major Research Project (HCEC 590) worth six credits. The program is cohort-based and delivered at UBC Robson Square, and is therefore not available as a distance education or online option.</p> Master of Health	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,253 Present Calendar Entry: Degrees Offered <i>M.H.A., M.H.Sc., M.Sc.</i> <i>Ph.D.</i> Master of Health Administration <p>The Department of Health Care and Epidemiology in collaboration with the Faculty of Commerce and Business Administration offers a professional curriculum leading to a Master of Health Administration (M.H.A.) degree.</p> <p>The M.H.A. has an executive focus and is taught in modular (1.5 credit) format: Friday afternoon through to Sunday, one weekend per month. The full program will take two years to complete.</p> <p>The M.H.A. curriculum provides the educational and professional foundations for leadership in the health-care field. It emphasizes analytical thinking and prepares students for a career in health-care management.</p> <p>The overall goal of the program is to provide graduates who are skilled professionals with in-depth applied administrative research tools capable of identifying and solving complex organizational and assessment problems in the health services delivery sector. Graduates of this program have health-care training plus the business skills to creatively manage in an ever-more complicated health-care sector. Further details and information on admissions is available at www.healthcare.ubc.ca.</p> <p>The Faculty of Graduate Studies outlines the minimum requirements for admission to Graduate Programs at UBC. For more</p>



Administration

Admission Requirements

Applications for admission to the M.H.A. program will be evaluated based on a combination of academic achievement, GMAT/GRE results, and/or relevant work experience. If the applicant does not already have GMAT or GRE results, the GMAT should be written prior to submission of the application or shortly thereafter. In addition to the minimum requirements, applicants are required to include a letter of intent that outlines their motivation for completing the M.H.A. program as well as a current resumé and three letters of reference.

Professional experience and publications may be considered for those who do not meet the minimum Graduate Studies requirements. Applicants who have limited relevant work experience may be required to complete a Residency/ Internship placement in addition to the regular graduation requirements.

Ideally, the three letters of reference should indicate how the referee has come to know the applicant and why they feel the applicant will succeed in the M.H.A. program. Where feasible, the selection of referees should be made so that two of the letters relate primarily to work experience and career progression including community service while the third deals with academic performance.

Program Requirements

The M.H.A. program consists of 42 credits. This comprises of 24 modules (1.5 credits each) plus HCEC 590 (6 credits, major essay). At the discretion of the Program Director, a student may be allowed to substitute HCEC 581 (Directed Studies) to meet a portion of the total credit requirement. The courses and project are normally completed within 22-24 months.

Contact Information:

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Email: mha.program@ubc.ca

Web: www.healthcare.ubc.ca/MHA_Program

information about the role of Graduate Studies and to view the Faculty's policies and procedures manual, visit the [Graduate Studies website](#). Applicants from a university outside Canada in which English is not the primary language of instruction must meet the English Language Proficiency Requirement. Students who are not Canadian citizens or permanent residents should review the section on International Students.

Applications for admission to the M.H.A. program will be evaluated based on a combination of academic achievement, GMAT/GRE results, and/or relevant work experience. If the applicant does not already have GMAT or GRE results, the GMAT should be written prior to submission of the application. In addition to the minimum requirements, applicants are asked to include a cover letter that outlines their motivation for completing the M.H.A. program as well as a resume. Professional experience and publications may be considered for those who do not meet the GPA requirements. Applicants who have limited relevant work experience may be required to complete a Residency/Internship placement in addition to the regular graduation requirements.

Ideally, the Letters of Reference should indicate how the referee has come to know the applicant and why they feel the applicant will succeed in the M.H.A. program. Where feasible, the selection of referees should be made so that two of the letters relate primarily to work experience and career progression including community service while the third deals with academic performance.

For further information, visit
www.healthcare.ubc.ca.

Master of Health Science

The Master of Health Science (M.H.Sc.) program is designed to provide graduate education for physicians in the areas of Clinical Epidemiology, Occupational Health or Community Health. Minimum admission requirements for this 30 credit program include an academic record that meets Faculty of Graduate Studies requirements and a Doctor of Medicine (M.D.) or equivalent. For additional information see the [Department's website](#).

All application materials must be received by March 1.

Master of Science and Doctor of Philosophy



Isabella Losinger, M.L.S., M.A.;

M.H.A. Program Manager

The Department offers research-oriented graduate programs leading to the Doctor of Philosophy and to the Master of Science, both with thesis. These may be focused on any of the areas of strength of the faculty, with particular examples being clinical epidemiology, community health, health services management and planning, health-care policy, occupational and environmental health, and preventive medicine and health promotion. The minimum requirement for a Master of Science (including thesis) is 30 credits. However the actual courses required are at the discretion of program supervisors and often the number of credits required is 36 to 42. For Ph.D. students the requirements are nine required courses and any additional courses defined by the student and/or their Ph.D. committee. Individuals with a basic degree in the health or related sciences will be considered eligible to apply for admission, but the number of positions is limited. Application deadline is March 1 for entry in September. For additional information see the [Department's website](#).

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Email: laurel.slaney@ubc.ca
Website: www.healthcare.ubc.ca

Ms. Laurel Slaney, Graduate Programs
Coordinator

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Health Care and Epidemiology Degrees Offered: Ph.D. M.Sc. Members Professors <p>R. Armstrong, M. Barer, C. Black, E. Goldner, C. Hertzman, R. Hogg, A. Kazanjian, S. Kennedy, R. G. Mathias, M. T. Schechter, S. B. Sheps, J. Singer, K. Teschke, C. Van Netten, A. Yassi.</p> Associate Professors <p>A. H. Anis, P. Demers, J. Frankish, J. Kozak, C. Lovato, S. A. Marion, D. Patrick, J. A. Shoveller, B. Sobolev, J. J. Spinelli, J. K. H. Tan, M. Tyndall,</p> Assistant Professors <p>J. Buxton, B. Henry, R. A. Hanvelt, P. Janssen, M. Koehoorn, J. Kopec, J.F. Kozak, A. Levy, Y. MacNab, C. Mitton, S. Morgan, M. Naus, A. Ostry, R. Reid, J. Spiegel, P. Spittal, H. Wong.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,253 Present Calendar Entry: Degrees Offered <p><i>M.H.A., M.H.Sc., M.Sc.</i> <i>Ph.D.</i></p> Master of Health Administration <p>The Department of Health Care and Epidemiology in collaboration with the Faculty of Commerce and Business Administration offers a professional curriculum leading to a Master of Health Administration (M.H.A.) degree.</p> <p>The M.H.A. has an executive focus and is taught in modular (1.5 credit) format: Friday afternoon through to Sunday, one weekend per month. The full program will take two years to complete.</p> <p>The M.H.A. curriculum provides the educational and professional foundations for leadership in the health-care field. It emphasizes analytical thinking and prepares students for a career in health-care management.</p> <p>The overall goal of the program is to provide graduates who are skilled professionals with in-depth applied administrative research tools capable of identifying and solving complex organizational and assessment problems in the health services delivery sector. Graduates of this program have health-care training plus the</p>



Program Overview

Research-oriented graduate programs in Health Care and Epidemiology are offered leading to the Doctor of Philosophy and to the Master of Science, both with thesis. These may be focused on any of the areas of strength of the faculty, with particular examples being clinical epidemiology, community health, health services management and planning, health-care policy, occupational and environmental health, and preventive medicine and health promotion.

Doctor of Philosophy

Admission Requirements

Individuals with a master's degree in the health or related sciences will be considered eligible to apply for admission, but the number of positions is limited. Application deadline is February 1 for entry in September.

Transfer from the master's to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

The Ph.D. program requirements include nine required courses and any additional courses selected ~~by the student~~ in consultation with the Ph.D. Committee.

All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements. For additional information see the Program's {H|www.healthcare.ubc.ca|website}.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a Bachelor's degree in the ~~health~~ [health sciences](#) or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The minimum requirement for a Master of Science (including thesis) is 30 credits.

business skills to creatively manage in an ever-more complicated health-care sector. Further details and information on admissions is available at www.healthcare.ubc.ca.

The Faculty of Graduate Studies outlines the minimum requirements for admission to Graduate Programs at UBC. For more information about the role of Graduate Studies and to view the Faculty's policies and procedures manual, visit the [Graduate Studies website](#). Applicants from a university outside Canada in which English is not the primary language of instruction must meet the English Language Proficiency Requirement. Students who are not Canadian citizens or permanent residents should review the section on International Students.

Applications for admission to the M.H.A. program will be evaluated based on a combination of academic achievement, GMAT/GRE results, and/or relevant work experience. If the applicant does not already have GMAT or GRE results, the GMAT should be written prior to submission of the application. In addition to the minimum requirements, applicants are asked to include a cover letter that outlines their motivation for completing the M.H.A. program as well as a resume. Professional experience and publications may be considered for those who do not meet the GPA requirements. Applicants who have limited relevant work experience may be required to complete a Residency/Internship placement in addition to the regular graduation requirements.

Ideally, the Letters of Reference should indicate how the referee has come to know the applicant and why they feel the applicant will succeed in the M.H.A. program. Where feasible, the selection of referees should be made so that two of the letters relate primarily to work experience and career progression including community service while the third deals with academic performance.

For further information, visit www.healthcare.ubc.ca.

Master of Health Science

The Master of Health Science (M.H.Sc.) program is designed to provide graduate education for physicians in the areas of Clinical Epidemiology, Occupational Health or Community Health. Minimum admission requirements for this 30 credit program include an academic record that meets Faculty of Graduate Studies requirements and a Doctor of Medicine (M.D.) or equivalent. For additional information see the [Department's website](#).



However the actual courses required are at the discretion of program supervisors and often the number of credits required is 36 to 42. For additional information see the Department's {H|www.healthcare.ubc.ca|website}.

Contact Information:

Department of Health Care and Epidemiology
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Email: laurel.slaney@ubc.ca

Web: www.healthcare.ubc.ca

Laurel Slaney, Graduate Programs
Coordinator

All application materials must be received by March 1.

Master of Science and Doctor of Philosophy

The Department offers research-oriented graduate programs leading to the Doctor of Philosophy and to the Master of Science, both with thesis. These may be focused on any of the areas of strength of the faculty, with particular examples being clinical epidemiology, community health, health services management and planning, health-care policy, occupational and environmental health, and preventive medicine and health promotion. The minimum requirement for a Master of Science (including thesis) is 30 credits. However the actual courses required are at the discretion of program supervisors and often the number of credits required is 36 to 42. For Ph.D. students the requirements are nine required courses and any additional courses defined by the student and/or their Ph.D. committee. Individuals with a basic degree in the health or related sciences will be considered eligible to apply for admission, but the number of positions is limited. Application deadline is March 1 for entry in September. For additional information see the [Department's website](http://www.healthcare.ubc.ca).

Contact Information

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Website: www.healthcare.ubc.ca

Ms. Laurel Slaney, Graduate Programs
Coordinator

Type of Action:

Edit Calendar entry.

Rationale:

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pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Health Science Degrees Offered: M.H.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The Master of Health Science (M.H.Sc.) program is designed to provide graduate education for physicians in the areas of Clinical Epidemiology, Occupational Health or Community Health.</p> Master of Health Science Admission Requirements <p>Students will be considered for admission if they have: an MD or equivalent, and meet the general requirements of admission to the Faculty of Graduate Studies, and the minimum program pre-requisites as outlined</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,253 Present Calendar Entry: Degrees Offered <p><i>M.H.A., M.H.Sc., M.Sc. Ph.D.</i></p> Master of Health Administration <p>The Department of Health Care and Epidemiology in collaboration with the Faculty of Commerce and Business Administration offers a professional curriculum leading to a Master of Health Administration (M.H.A.) degree.</p> <p>The M.H.A. has an executive focus and is taught in modular (1.5 credit) format: Friday afternoon through to Sunday, one weekend per month. The full program will take two years to complete.</p> <p>The M.H.A. curriculum provides the educational and professional foundations for leadership in the health-care field. It emphasizes analytical thinking and prepares students for a career in health-care management.</p> <p>The overall goal of the program is to provide graduates who are skilled professionals with in-depth applied administrative research tools capable of identifying and solving complex organizational and assessment problems in the health services delivery sector. Graduates of this program have health-care training plus the business skills to creatively manage in an ever-</p>



in {H|www.healthcare.ubc.ca|Department's website}.

All application materials must be received by February 1 for international applicants and March 1 for Canadian applicants.

Program Requirements

Students are required to take a minimum of 30 credits including up to 12 credits of specified core courses (HCEP 400, 500, 502, 513, and 529). At least 24 credits must be at the 500-level or above. Students are required to take a set of core courses as determined by the Graduate Committee. For details, please refer to the Program web site.

{H|www.healthcare.ubc.ca|Department's website}. Additional courses will be recommended by the Program Director, depending on the student's background and proposed career goals to a minimum of 30 credits. A comprehensive exam is held in the last two weeks of April.

Contact Information:

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Tel: 604-822-5405

Fax: 604-822-4994

Email: laurel.slaney@ubc.ca

Web: www.healthcare.ubc.ca

Laurel Slaney, Graduate Programs Manager

more complicated health-care sector. Further details and information on admissions is available at www.healthcare.ubc.ca.

The Faculty of Graduate Studies outlines the minimum requirements for admission to Graduate Programs at UBC. For more information about the role of Graduate Studies and to view the Faculty's policies and procedures manual, visit the [Graduate Studies website](#). Applicants from a university outside Canada in which English is not the primary language of instruction must meet the English Language Proficiency Requirement. Students who are not Canadian citizens or permanent residents should review the section on International Students.

Applications for admission to the M.H.A. program will be evaluated based on a combination of academic achievement, GMAT/GRE results, and/or relevant work experience. If the applicant does not already have GMAT or GRE results, the GMAT should be written prior to submission of the application. In addition to the minimum requirements, applicants are asked to include a cover letter that outlines their motivation for completing the M.H.A. program as well as a resume. Professional experience and publications may be considered for those who do not meet the GPA requirements. Applicants who have limited relevant work experience may be required to complete a Residency/Internship placement in addition to the regular graduation requirements.

Ideally, the Letters of Reference should indicate how the referee has come to know the applicant and why they feel the applicant will succeed in the M.H.A. program. Where feasible, the selection of referees should be made so that two of the letters relate primarily to work experience and career progression including community service while the third deals with academic performance.

For further information, visit www.healthcare.ubc.ca.

Master of Health Science

The Master of Health Science (M.H.Sc.) program is designed to provide graduate education for physicians in the areas of Clinical Epidemiology, Occupational Health or Community Health. Minimum admission requirements for this 30 credit program include an academic record that meets Faculty of Graduate Studies requirements and a Doctor of Medicine (M.D.) or equivalent. For additional information see the [Department's website](#).



All application materials must be received by **February 1 for international applications and March 1st for domestic applications.**

Master of Science and Doctor of Philosophy

The Department offers research-oriented graduate programs leading to the Doctor of Philosophy and to the Master of Science, both with thesis. These may be focused on any of the areas of strength of the faculty, with particular examples being clinical epidemiology, community health, health services management and planning, health-care policy, occupational and environmental health, and preventive medicine and health promotion. The minimum requirement for a Master of Science (including thesis) is 30 credits. However the actual courses required are at the discretion of program supervisors and often the number of credits required is 36 to 42. For Ph.D. students the requirements are nine required courses and any additional courses defined by the student and/or their Ph.D. committee. Individuals with a basic degree in the health or related sciences will be considered eligible to apply for admission, but the number of positions is limited. Application deadline is **February 1** for entry in September. For additional information see the [Department's website](#).

Contact Information

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Email: laurel.slaney@ubc.ca
Website: www.healthcare.ubc.ca

Ms. Laurel Slaney, Graduate Programs
Manager

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar



entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Interdisciplinary Studies Degrees Offered: Ph.D. M.A. M.Sc. Members Professors <p>Due to the interdisciplinary nature of this program, a list of faculty is not available. Members of the Faculty of Graduate Studies in other programs are eligible to serve as supervisors of students in the Interdisciplinary Studies Graduate Program, based on the student's chosen area of research.</p> Associate Professors <p>Due to the interdisciplinary nature of this program, a list of faculty is not available. Members of the Faculty of Graduate Studies in other programs are eligible to serve as supervisors of students in the Interdisciplinary Studies Graduate Program, based on the student's chosen area of research.</p> Assistant Professors	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,260 Present Calendar Entry: Degrees Offered <p><i>M.A., M.Sc.</i> <i>Ph.D.</i></p> Program Overview <p>The Faculty of Graduate Studies encourages the realignment of traditional disciplines into new patterns, and crossing departmental and faculty boundaries to foster the development of new areas of research.</p> <p>In some cases, an interdisciplinary area has been authorized to offer and administer formal degree programs (Advanced Technology Management, Comparative Literature, Genetics, Neuroscience, Occupational and Environmental Hygiene, Resource Management and Environmental Studies). In other cases, students find that degree programs in existing departments or faculties are either inherently interdisciplinary, or flexible enough to accommodate interdisciplinary research projects. A major function of the various centres and institutes of the Faculty of Graduate Studies is to promote interdisciplinary research; the associated inter-departmental or inter-faculty groupings are usually able to guide students in setting up interdisciplinary programs.</p> <p>Where no established degree program exists, a</p>



Due to the interdisciplinary nature of this program, a list of faculty is not available. Members of the Faculty of Graduate Studies in other programs are eligible to serve as supervisors of students in the Interdisciplinary Studies Graduate Program, based on the student's chosen area of research.

Program Overview

The Faculty of Graduate Studies encourages the realignment of traditional disciplines into new patterns, and crossing departmental and faculty boundaries to foster the development of new areas of research.

A major function of the various centres and institutes of the Faculty of Graduate Studies is to promote interdisciplinary research; the associated interdepartmental and inter-faculty groupings are usually able to guide students in setting up disciplinary programs. Where no established degree program exists, a student may request admission into a special individual interdisciplinary program administered by a supervisory committee representing the various disciplines involved.

In the Program as it now exists, the prospective student has to bring together three or four qualified faculty from different departments or units. Because there are no constraints on which fields are brought together, there are virtually no two students in the same subfield.

Research topics in this program have included, for example:

- Nisga'a Architecture and Landscapes: Ecological Wisdom and Community-led Design (involving the Schools/Departments of Architecture, Landscape Architecture, Forest Ecology, Environmental Studies, Ethnobotany and Nisga'a House of Wisdom)
- Matters of Life and Death in the Neonatal Intensive Care Nursery: Decision Making for the Not Yet Competent (involving Departments of Pediatrics, Comparative Religion, Medical Anthropology and Bioethics)
- Red Rhetorics: Politics, Polemics and the Marx-Machine (involving Departments of English, Germanic Studies and Philosophy)
- Multicultural Practices of Canadian Immigrant Youth: 'A Work in Progress' (involving Departments of Educational Studies, English and Anthropology).

Interdisciplinary Studies, in collaboration with the {1|9532|Media and Graphics

student may request admission into a special individual interdisciplinary program administered by a supervisory committee representing the various disciplines involved. Research topics in this program have included, for example,

- Japanese Noh Drama (involving the Departments of Asian Studies, Fine Arts, Theatre, Film and Creative Writing and Anthropology and Sociology)
- Problem-solving Dreams (involving the Departments of Counselling Psychology, Psychology, Anthropology and Sociology and the School of Nursing)
- Hearing Impairment and Deviant Behaviour (involving the Departments of Sociology, Educational and Counselling Psychology, and Special Education and Health Care and Epidemiology)
- Cardiorespiratory Physical Therapy (involving the Departments of Physiology and Pathology and Laboratory Medicine, and the Schools of Rehabilitation Sciences and Human Kinetics)
- Information Technology in Factory Automation (involving the Departments of Computer Science, Chemical Engineering, Geography, Sociology and the Faculty of Commerce and Business Administration)
- Modernity in American Fiction and Painting (involving the Departments of English, Fine Arts and Anthropology and Sociology)
- The Consumer Society and Political Culture (involving the Departments of Political Science, Anthropology and Sociology, the Faculty of Commerce and Business Administration and the School of Human Kinetics).

Application for admission to the Individual Interdisciplinary Studies Graduate Program requires, in addition to the usual transcripts and letters of reference, submission of a two-page description of research project, and the preliminary support of two UBC faculty members to supervise the first year of course work. Full details of the process are available at www.iisgp.ubc.ca.

Contact Information

Individual Interdisciplinary Studies Graduate



Interdisciplinary Centre} offers a specialization in Human-Computer Interaction.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a master's degree, with clear evidence of research ability or potential. Transfer from the master's to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

The student is strongly advised to form their Supervisory Committee by the end of their second term, after enrolling in the degree. The Committee must be approved by the fourth term of study. Annual progress reports are required from the Supervisory Committee and from the student. Comprehensive exams are mandatory for Ph.D. programs. In order to advance to candidacy, students must also defend a thesis prospectus. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Full details of the application process and program information are available on the {H|www.iisgp.ubc.ca/program website}.

Master of Arts

Admission Requirements

Students admitted to the M.A. degree program normally possess a bachelor's degree, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

Coursework is decided in consultation between the student and their Supervisory Committee. Course enrolment requires formal approval. Thirty credits of coursework are required to complete the Master of Arts degree, including a master's thesis. There is no oral examination required for the master's thesis.

Program
230-6356 Agricultural Road
Vancouver, BC V6T 1Z2
Tel: 604-822-0954
Fax: 604-822-0470
Email: iisgp@interchange.ubc.ca
Website: www.iisgp.ubc.ca

Ms. Janice Matautia, Graduate Program Assistant

Type of Action:
Edit Calendar entry.

Rationale:

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Full details of the application process and program information are available on the {H|www.iisgp.ubc.ca/program website}.

Master of Science

Same as M.A.

Contact Information:

Individual Interdisciplinary Studies Graduate Program
230-6356 Agricultural Road
Vancouver, BC V6T 1Z2

Tel: 604-822-0954

Fax: 604-822-0470

Email: iisgp@interchange.ubc.ca

Web: www.iisgp.ubc.ca

Janice Matautia, Graduate Program Assistant



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Journalism Degrees Offered: M.J. Members Professors Associate Professors Assistant Professors Program Overview <p>The School of Journalism is part of the Faculty of Arts, but is governed by the admissions and curriculum requirements of the Faculty of Graduate Studies. Graduates of the program in journalism will receive a Master of Journalism (M.J.) degree.</p> <p>The mission of The School of Journalism is to achieve the highest professional standards in journalism through instruction in journalistic practice and the scholarly understanding of journalism, critical thinking and teaching of ethical responsibility. By combining advanced journalism practice and theory with academic studies at the graduate level, the program not only enhances advanced journalism, but also improves the information base and</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,262 Present Calendar Entry: Degrees Offered <i>M.J.</i> Program Overview <p>The School of Journalism is part of the Faculty of Arts, but is governed by the admissions and curriculum requirements of the Faculty of Graduate Studies. Graduates of the program in journalism will receive a Master of Journalism (M.J.) degree.</p> <p>The mission of The School of Journalism is to achieve the highest professional standards in journalism through instruction in journalistic practice and the scholarly understanding of journalism, critical thinking and teaching of ethical responsibility. By combining advanced journalism practice and theory with academic studies at the graduate level, the program will not only enhance advanced journalism, but also improve the information base and scholarly preparation of students for journalistic writing in their specialty subject areas. The program will serve the profession of journalism and bring developments in many areas of academic investigation to a wider reading public. Workshops, seminars, tutorials, conferences and publications will deal with reportage as well as major issues, theories and developments in the field of journalism. Emphasis will be placed on the writing of journalism; on the historic</p>



scholarly preparation of students for journalistic writing in their specialty subject areas. The program serves the profession of journalism and brings developments in many areas of academic investigation to a wider reading public. Workshops, seminars, tutorials, conferences and publications deal with reportage as well as major issues, theories and developments in the field of journalism. Emphasis is placed on the writing of journalism; on the historic evolution of journalism as a profession; ethics and journalism; journalism and the legal system; and the role and character of journalism in a changing society.

For more information, please visit {H|www.journalism.ubc.ca|The School of Journalism's website} and our online magazine {H|www.journalism.ubc.ca/thunderbird.html|The Thunderbird}.

Master of Journalism

Admission Requirements

Applicants with journalism experience must submit an extensive sample of their professional work; those without such experience will be selected on the basis of a manuscript of original writing that meets the standard of the peer group selected for entry into the program. The admissions panel will assess the applicant's potential for satisfactory performance in the program and for potential creative and constructive contribution to the profession.

Candidates for admission to the M.J. program must possess a four-year honours baccalaureate degree in a discipline or interdisciplinary area regarded as appropriate by the Admissions Committee for the program. Only applicants with superior performance at the baccalaureate level and appropriate journalism knowledge and experience will be admitted. Applicants will be required to indicate their intended academic specialty at the time they apply. Because the number of applicants greatly exceeds the number of places available, a record that satisfies basic entrance requirements does not guarantee admission to the program. Registration in graduate seminars in the academic specialty will be subject to the approval of the Director.

Applicants must meet the admission requirements of the Faculty of Graduate Studies. International applicants will require a score of 600 (or computer-based equivalent, i.e., 250) or

evolution of journalism as a profession; ethics and journalism; journalism and the legal system; and the role and character of journalism in a changing society.

Applicants with journalism experience will submit an extensive sample of their professional work; those without such experience will be selected on the basis of a manuscript of original writing that meets the standard of the peer group selected for entry into the program. The admissions panel will assess the applicant's potential for satisfactory performance in the program and for potential creative and constructive contribution to the profession.

Candidates for admission to the M.J. program must possess a four-year honours baccalaureate degree in a discipline or interdisciplinary area regarded as appropriate by the Admissions Committee for the program. Only applicants with superior performance at the baccalaureate level and appropriate journalism knowledge and experience will be admitted. Applicants will be required to indicate their intended academic specialty at the time they apply. Because the number of applicants greatly exceeds the number of places available, a record that satisfies basic entrance requirements does not guarantee admission to the program. Registration in graduate seminars in the academic specialty will be subject to the approval of the Director.

Applicants must meet the admission requirements of the Faculty of Graduate Studies. International applicants will require a score of 600 (or computer-based equivalent, i.e., 250) or more on the Test of English as a Foreign Language (TOEFL).

Students will be required to spend two Winter sessions (i.e. 8 months from September to April) on campus as full-time students. In exceptional circumstances, the School and the Program will accommodate the needs of working journalists and others who may find it difficult to take more than 8 or 12 months away from regular employment.

For more information, please visit [The School of Journalism's website](http://www.journalism.ubc.ca) and our online magazine [The Thunderbird](http://www.journalism.ubc.ca/thunderbird.html).

Contact Information

School of Journalism
6388 Crescent Road
Vancouver, BC V6T 1Z2
Tel: 604-822-6688
Fax: 604-822-6707



more on the Test of English as a Foreign Language (TOEFL).

Program Requirements

Students must complete a min of 36 credits selected from 4 core areas in the journalism program and a 6 credit thesis. More information is available on [The School of Journalism's website](#).

Students will be required to spend two Winter Sessions (i.e. 8 months from September to April) on campus as full-time students. In exceptional circumstances, the School and the Program will accommodate the needs of working journalists and others who may find it difficult to take more than 8 or 12 months away from regular employment.

Contact Information:

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Email: journal@interchange.ubc.ca

Web: www.journalism.ubc.ca

Barry Warne, Department Secretary

Email: journal@interchange.ubc.ca

Website: www.journalism.ubc.ca

Ms. Sim Lee, Administrator/Assistant to the Director

Mr. Barry Warne, Department Secretary

Type of Action:

Edit Calendar entry.

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Applied Science Department: School of Architecture and Landscape Architecture Faculty Approval Date: 10 November 2005 Effective Session W Term 2 Year 2005 for Change	Date: 14 November 2005 Contact Person: Christopher Macdonald Phone: 604 822.2377 Email: cmac@arch.ubc.ca
Proposed Calendar Entry: Landscape Architecture Degrees Offered: M.L.A. M.A.S.L.A. Members Professors Associate Professors Assistant Professors Program Overview Landscape Architecture is concerned with the design, planning and management of the land. It involves the physical design of sites or places with particular emphasis on resource conservation, sustainability, social responsiveness and aesthetics. It is one of several professions concerned with both the natural and human environments, with both nature and culture and, as such, places heavy emphasis on interdisciplinary knowledge and co-operation. As an academic discipline, landscape architecture encompasses the fields of the humanities,	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,263 Present Calendar Entry: Landscape Architecture Degrees Offered: M.L.A. M.A.S.L.A. Members Professors P. M. Condon, R. Kellett Associate Professors C. Girling, S. Herrington, P. F. Mooney, D. Paterson, S. Sheppard. Assistant Professors N/A Program Overview Landscape Architecture is concerned with the design, planning and management of the land. It involves the physical design of sites or places with particular emphasis on



sciences, technology and the creative arts; it is also concerned with design as an act of critical inquiry, design criticism, and issues of critical regionalism.

Master of Landscape Architecture

Admission Requirements

Applicants must have a strong academic record and demonstrate potential for creative problem solving. The Landscape Architecture Program selects students from a variety of disciplines on which to build landscape architectural understanding, competence, and the sharing of knowledge. Students entering the program should demonstrate interest and potential in the broad fields of environment, the creative arts, and landscape architecture.

Students are accepted into the 3-year M.L.A. from all disciplines; applicants seeking admission into the 2-year M.L.A. variant must be in possession of a four-year undergraduate degree in Architecture, Environmental Design or Landscape Architecture. Certain students may be expected to fulfill additional requirements in order to adequately prepare them for design and environmental studies. In addition, students are required to submit examples of their creative abilities in the form of an application portfolio and demonstrate, in writing, their understanding of the profession. Approximately 18 students will be admitted each year. Detailed admission information is available on the Landscape Architecture's website (www.larc.ubc.ca).

Program Requirements

The Master of Landscape Architecture (M.L.A.) degree is designed for students seeking admission to the profession. Full-time students normally complete this program in three years. Students with a UBC-recognized undergraduate degree in Architecture, Environmental Design, or Landscape Architecture may apply for admission to a 2-year 72-credit variant of the professional M.L.A. Program, comprised of the final two years of M.L.A. design studio courses, as well as courses required for professional degree accreditation by the Canadian Society of Landscape Architects. The particular course requirements will be determined by the student's Advisor for each student upon acceptance and entry into the program, based on prior experience and a portfolio review.

resource conservation, sustainability, social responsiveness and aesthetics. It is one of several professions concerned with both the natural and human environments, with both nature and culture and, as such, places heavy emphasis on interdisciplinary knowledge and co-operation. As an academic discipline, landscape architecture encompasses the fields of the humanities, sciences, technology and the creative arts; it is also concerned with design as an act of critical inquiry, design criticism, and issues of critical regionalism.

Master of Landscape Architecture

Admission Requirements

Applicants must have a strong academic record and demonstrate potential for creative problem solving. The Landscape Architecture Program selects students from a variety of disciplines on which to build landscape architectural understanding, competence, and the sharing of knowledge. Students entering the program should demonstrate interest and potential in the broad fields of environment, the creative arts, and landscape architecture.

Students are accepted into the 3-year M.L.A. from all disciplines; applicants seeking admission into the 2-year M.L.A. variant must be in possession of a four-year undergraduate degree in Architecture, Environmental Design or Landscape Architecture. Certain students may be expected to fulfill additional requirements in order to adequately prepare them for design and environmental studies. In addition, students are required to submit examples of their creative abilities in the form of an application portfolio and demonstrate, in writing, their understanding of the profession. Please contact us for detailed admission information. Approximately 18 students will be admitted each year.

Program Requirements

The Master of Landscape Architecture (M.L.A.) degree is designed for students seeking admission to the profession. Full-time students normally complete this program in three years. Students with a UBC-recognized undergraduate degree in Architecture, Environmental Design, or Landscape Architecture may apply for admission to a 2-year 72 credit variant of the professional M.L.A. Program, comprised of the final two years of M.L.A. design studio



Course of Study

The master's degree is awarded upon the completion of 109 credits of coursework, including a major graduating project. The core curriculum includes a structured first year of 38 credits and 56 additional required credits in years two and three. As part of the 109 credits, all students must declare a study stream and take nine required, and six elective credits, for a total of 15 credits in their study stream. Study streams are: Site Design; Urban Design; Regional Design. Detailed information on specific, yearly course requirements are available on the program {H|www.larc.ubc.ca/landscape_architecture|website}.

A grade of 68% is required as a passing grade for all design studio courses (LARC 501, 502, 503, 504 or any substituted classes).

Master of Advanced Studies in Landscape Architecture

Admission Requirements

Applicants must have a 4-year bachelor's degree in a design discipline as well as some experience in a design practice. All applicants must also meet the basic academic requirements of the Faculty of Graduate Studies. In addition, all applicants must submit a design portfolio. The minimum TOEFL score required of international applicants is 90. For additional information, please visit the program {H|www.larc.ubc.ca/landscape_architecture|website} or see Contact Information below.

Program Requirements

The Master of Advanced Studies in Landscape Architecture (M.A.S.L.A.) is a 31-credit program. Part-time study is allowed with prior approval from the Graduate Program Committee. Full-time students normally complete this program within two academic years. The program provides students an opportunity to examine and research specific issues relating to landscape, place and environment. This post-professional program is not intended to fulfill the requirements for membership as established by the British Columbia Society of Landscape Architects or similar

courses, as well as courses required for professional degree accreditation by the Canadian Society of Landscape Architects. The particular course requirements will be determined by the student's Advisor for each student upon acceptance and entry into the program, based on prior experience and a portfolio review.

Course of Study

The master's degree is awarded upon the completion of 109 credits of coursework, including a major graduating project. The core curriculum includes a structured first year of 38 credits and 56 additional required credits in years two and three. As part of the 109 credits, all students must declare a study stream and take nine required, and six elective credits, for a total of 15 credits in their study stream. Study streams are: Site Design; Urban Design; Regional Design. Detailed information on specific, yearly course requirements are available on the program {H|www.agsci.ubc.ca/landscape_architecture|website}.

A grade of 68% is required as a passing grade for all design studio courses (LARC 501, 502, 503, 504 or any substituting classes).

Master of Advanced Studies in Landscape Architecture

Admission Requirements

Applicants must have a 4-year bachelor's degree in a design discipline as well as some experience in a design practice. All applicants must also meet the basic academic requirements of the Faculty of Graduate Studies. In addition, all applicants must submit a design portfolio. The minimum TOEFL score required of international applicants is 90. For additional information, please visit the program {H|www.agsci.ubc.ca/landscape_architecture|website} or see Contact Information below.

Program Requirements

The Master of Advanced Studies in Landscape Architecture (M.A.S.L.A.) is a 31-credit program. Part-time study is allowed with prior approval from the Graduate Program Committee. Full-time students normally complete this program within two



organizations in other provinces of Canada. Those wishing professional credentials should enroll in the Master of Landscape Architecture (M.L.A.) program.

Course of Study

The course of study is comprised of LARC 500, 520, 541, 599, six credits of 500-level electives, and six credits of 300-level and above electives. At least one of the elective courses must focus on design-research methodologies. Research activities and thesis development will be focused within the two broad areas of advanced design, design theory and design education, and environmental design, planning and management at the site-specific scale.

Contact Information:

Landscape Architecture
393-2357 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-6916

Fax: 604-822-2184

Email: hbartlet@interchange.ubc.ca

Web: www.larc.ubc.ca

Hanne Bartlett, Program Administrator

academic years. The program provides students an opportunity to examine and research specific issues relating to landscape, place and environment. This post-professional program is not intended to fulfill the requirements for membership as established by the British Columbia Society of Landscape Architects or similar organizations in other provinces of Canada. Those wishing professional credentials should enroll in the Master of Landscape Architecture (M.L.A.) program.

Course of Study

The course of study is comprised of LARC 500, 520, 541, 599, six credits of 500-level electives, and six credits of 300-level and above electives. At least one of the elective courses must focus on design-research methodologies. Research activities and thesis development will be focused within the two broad areas of advanced design, design theory and design education, and environmental design, planning and management at the site-specific scale.

Contact Information:

School of Architecture and Landscape
ARchitecture
393-2357 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-6916

Fax: 604-822-2184

Email: hbartlet@interchange.ubc.ca

Web: www.architecture.ubc.ca

Type of Action:

Edit Calendar entry.

Rationale:

Change in website address has been addressed. In addition contact information has been changed from School of Architecture and Landscape Architecture to 'Landscape Architecture'



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Language and Literacy Education Degrees Offered: Ph.D. Members Professors Associate Professors Assistant Professors Program Overview <p>The Department of Language and Literacy Education offers a program leading to a Ph.D. in Language and Literacy Education (LLED). Students can study in the areas of: Literacy Education, Teacher Librarianship, Teaching English as a Second Language and Modern Language Education.</p> <p>The Department of Language and Literacy is committed to excellence in scholarship, teaching, and professional leadership and is responsive to Canada's multi-cultural, multilingual context. Its goal is to advance the study of language learning, and the teaching and learning of language, literacy, and literature in their broadest frames of</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,264 Present Calendar Entry: Degrees Offered <p><i>M.A., M.Ed.</i> <i>Ph.D.</i></p> Program Overview <p>The Department of Language and Literacy Education offers programs and courses leading to the Master of Education and Master of Arts under the heading of Language and Literacy Education (LLED), which incorporates those listed previously under English Education (ENED), Teaching English as a Second Language (TESL), Reading Education (READ), Language Education (LANE), and Modern Language Education (MLED). The Department also offers programs of study leading to the Master of Education and Master of Arts under the heading of Teacher Librarianship (LIBE) and a Ph.D. in Language and Literacy Education (LLED) with a focus in the Department's areas of specialization.</p> <p>The Department of Language and Literacy Education includes scholars in a comprehensive range of language and literacy-education related fields. These fields relate to the teaching of the following subjects:</p> <ul style="list-style-type: none"> English as a Second Language (TESL) - TESL methods, applied linguistics, UBC/Ritsumeikan Joint Academic



reference.

Doctor of Philosophy

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the Department of Language and Literacy Education requires:

- a master's degree with high standing in a relevant educational discipline
- a sample of work demonstrating an ability to undertake research and scholarly writing
- a letter of intent describing the proposed focus and how it fits with the research programs of two or three faculty members as well as benefits to the applicant of the program
- the support of three referees including an assessment by at least two university instructors, preferably one of whom is the supervisor of the masters thesis
- equivalent of at least two years of successful teaching experience

Program Requirements

- Normally 18 to 24 credits of coursework (including the LLED doctoral seminar, LLED 601).
- Comprehensive exam followed by an oral examination.
- Dissertation proposal.
- Ph.D. Dissertation.

Contact Information:

Department of Language and Literacy Education
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5788

Fax: 604-822-3154

Email: anne.eastham@ubc.ca

Web: www.lled.educ.ubc.ca

Anne Eastham, Graduate Programs Assistant

Exchange Program

- Literacy Education (LITR) - composition, early literacy, developmental reading, clinical methods, content areas, drama, adult literacy, family literacy, literature, oral language, poetry
- Teacher Librarianship (LIBE) - co-operative program planning, school library organization and management, school library automation
- Modern Languages (MLED) - French Immersion, French as a First and Second Language, Asia Pacific language and curriculum study, and other modern languages).

The Department of Language and Literacy Education is committed to excellence in scholarship, teaching, and professional leadership and is responsive to Canada's multicultural, multilingual context. Its goal is to advance the study of language learning, and the teaching and learning of language, literacy, and literature in their broadest frames of reference.

Graduate courses in research in the various subject matter fields as well as departmental doctoral seminars are offered on a rotating basis. Department members are actively involved with graduate students in local, provincial, national and international research. A complete listing of individual faculty research interests may be found in the Department's *Handbook On Graduate Admissions, Program Planning and Supervision*, which is available upon request, or on the [LLED website](#). While part-time students are accepted, preference is given to full-time students in M.A. and doctoral programs. A limited number of teaching assistantships and research assistantships are available to exceptionally qualified students.

The Department of Language and Literacy Education operates a state-of-the-art computer integrated language laboratory in [UBC/Ritsumeikan House](#), and a Language Education Research Centre, in Ponderosa Annex F, with multimedia facilities, special book collections, and language and literacy education curriculum materials. Video production facilities are also available for faculty and graduate students.

Please refer to [Education](#) under Faculty of Graduate Studies, Programs, for information on general admission requirements.

Contact Information



Department of Language and Literacy Education
2125 Main Mall
Vancouver, BC, V6T 1Z4
Tel: 604-822-5788
Fax: 604-822-3154
Email: eastham@interchange.ubc.ca
Website: www.lled.educ.ubc.ca

Ms. Anne Eastham, Graduate Programs
Assistant

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.

Approved by Curriculum Committee

<p>Faculty: Agricultural Sciences Department: n/a Faculty Approval Date: 10 June 2004</p> <p>Effective Session <u>05W</u> Term <u>1</u> Year <u>2005</u> for Change</p>	<p>Date: Contact Person: David Shackleton Phone: 2-3453 e-mail: shac@interchange.ubc.ca</p>
<p>Proposed Calendar Entry: INTEGRATED STUDIES IN LAND AND FOOD SYSTEMS DEGREES OFFERED: M.Sc., Ph.D.</p> <p>Members</p> <p>Professors</p> <p>Associate Professors</p> <p>Assistant Professors</p> <p>PROGRAM OVERVIEW</p> <p>The challenge to provide sufficient, safe, and economically accessible food for the world, requires researchers and managers able to seek solutions that rely on integrating the traditional agricultural disciplines with those of related areas of knowledge and inquiry.</p> <p>The objective of the graduate program in Integrated Studies in Land and Food Systems is to aid students develop the knowledge base and integrative skills necessary to evaluate food production systems and develop sustainable solutions based on agroecological, economic, and social dimensions.</p> <p>The Integrated Studies in Land and Food Systems program offers opportunities for advanced study and research leading to M.Sc. and Ph.D. degrees.</p>	<p>Present Calendar Entry: N/A</p> <p>Type of Action: New Program</p> <p>Rationale: Meeting the needs of the global community in the 21st Century for sufficient, safe, and economically accessible food, sustainable food systems will require more than solely technological advances. Approaches that address economic, social and environmental issues will be required to formulate new solutions to sustainable food production. This in turn will require researchers and managers who can approach the task differently from in the past. There is a clear need for graduates with the ability to bridge across traditional agricultural disciplines and beyond. This proposed program is designed to graduate such researchers and managers.</p> <p>The Faculty of Agricultural Sciences began the transformation of its research and academic programs in 1997. The change centred on meeting the challenge of creating sustainable food systems. To achieve this, it adopted a model based on three core values - Land, Food and Community. To date, we have transformed the undergraduate programs. As recommended by two recent reviews of the Faculty and its programs, we now need to</p>

DOCTOR OF PHILOSOPHY

Admission Requirements

Most students entering the program are expected to have an academic background in agriculture and/or food, but applicants from other academic disciplines will be considered. Applicants must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Acceptance into the program depends on meeting the admission requirements of the Faculty of Graduate Studies, and acceptance by a faculty member willing to act as the student's supervisor.

Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

For the Doctor of Philosophy, all students must complete AGSC 501 or 504, and LFS 500, 501, 502, 649. Additional coursework may be selected in consultation with the student's supervisory committee. All doctoral students are required to **successfully** complete a comprehensive examination **successfully**. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

MASTER OF SCIENCE

Admission Requirements

Most students entering the program are expected to have an academic background in agriculture and/or food, but applicants from other academic disciplines will be considered. Applicants must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Acceptance into the program depends on meeting the admission requirements of the Faculty of Graduate Studies, and acceptance by a faculty member willing to act as the student's supervisor.

bring our graduate programs into alignment with learner-centred models and to connect with the new context of land, and food systems. It is also necessary to offer new graduate opportunities that build on many of the directions taken in our new undergraduate programs. Hence this proposal.

ID Number for Supporting Documents:

LFS 2004 – the consultation package for the new program included the 5 new courses.

Program Requirements

For the master's degree, all students must complete AGSC 501 or 504, and LFS 500, 501, 502. An additional six credits of coursework are required along with a 12-credit research thesis (LFS 549).

Contact Information

Graduate Programs
Faculty of Agricultural Sciences
University of British Columbia
270-2357 Main Mall
Vancouver, BC, Canada
V6T 1Z4

Tel: 604-822-4593

Fax: 604-822-4400

Email: gradapp@interchange.ubc.ca

Website: www.agsci.ubc.ca/grad

Ms. Alina Yuhymets, Graduate Programs
Manager



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Library, Archival and Information Studies Degrees Offered: Ph.D. Members Professors Associate Professors Assistant Professors Program Overview <p>The School of Library, Archival and Information Studies offers a program leading to the Doctor of Philosophy. The Ph.D. program is designed to provide advanced research training for outstanding students who have already obtained a Master of Archival Studies (M.A.S.) or a Master of Library and Information Studies (M.L.I.S.).</p> <p>Upon entering the doctoral program, a student will be assigned an advisor who will work with the student to develop an appropriate set of courses relevant to the student's research plan. All incoming</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,267 Present Calendar Entry: Degrees Offered <p>M.A.S./M.L.I.S., M.L.I.S. Ph.D.</p> Master of Library and Information Studies <p>The Master of Library and Information Studies (M.L.I.S.) is a professional degree program open to those holding a bachelor's degree considered suitable by the admissions committee, and which meets the minimum admission requirements of the Faculty of Graduate Studies. Those applying to enter the program are expected to have a strong foundation in some specialist studies but also an enthusiasm for information and its uses in the wider sense. The program, accredited by the American Library Association, is one of some fifty in North America, including seven in Canada, which gives its graduates professional stature. Graduates employed in academic, public, school, special libraries, or other information agencies combine work with information and its users with some aspects of supervision knowledge management services. Graduates not working in libraries as such are to be found in a wide variety of positions involving the uses of information in their broadest context; many are self-employed.</p>



students will take an advanced research methods course, either LIBR 600 or ARST 600. All students will take LIBR 620 or ARST 620 (Advanced Study in the Major Area) that will directly support the student's thesis research area. Students must also take LIBR 621 or ARST 621 (Advanced Study in the Minor Area) courses in a subject related to or indirectly supportive of the student's thesis research area. The courses in the minor area may be directed studies courses, courses from other departments at the university, or master's level courses at SLAIS, depending on the research interests of individual students. Additional courses may be required as appropriate. A minimum of 24 credits of course work, qualifying examinations in both the major and minor areas, and a non-credit thesis are required.

Further information is available at
<http://www.slais.ubc.ca/PROGRAMS/phd.htm>
Doctor of Philosophy

Admission Requirements

Admission to the doctoral program requires a M.A.S., a M.L.I.S., or equivalent from a recognized institution indicating a superior level of academic performance in a field of specialization that will support the applicant's Ph.D. research. Students must satisfy the admission requirements of the Faculty of Graduate Studies, and be approved by the School's Doctoral Admissions Committee. Admission decisions are based on the degree to which the applicant's intended area of research matches faculty expertise, and the suitability of the applicant for advanced graduate work as attested by three letters of reference, prior academic performance, GRE (Graduation Record Entrance) scores, and a record of publications and work in the field of library, archival and information studies

Program Requirements

The Doctor of Philosophy in Library, Archival, and Information Studies builds on the successful interdisciplinarity established at the master's level. There is one Ph.D. degree program, but students may specialize by taking theoretical/research foundations courses in either Library/Information Studies or Archival Studies.

The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements

The degree is awarded on successful completion of 48 credits including an optional thesis, plus a non-credit practicum. Much of the program, which can include Summer Session courses, may be taken on a part-time basis (i.e., taking less than a full load of courses). Students may begin the program in either September or January, but part-time studies are best begun in September. The required practicum and field trips in courses, the option of formal professional experience, and the use of some practitioners as adjunct professors assure a practical orientation to the theory of information management.

Joint Master of Archival Studies/Master of Library and Information Studies Degree Program

The Joint Degree Program is designed to allow students to earn both an M.A.S. and an M.L.I.S. For further information, see [Joint M.A.S./M.L.I.S.](#) under the School of Library, Archival and Information Studies, or contact the School of Library, Archival and Information Studies.

Doctor of Philosophy in Library, Archival and Information Studies

The School of Library, Archival and Information Studies offers a Ph.D. program. Students may orient their coursework and dissertation to specialize in library and information studies. For details on admission and program requirements, see the section on the doctoral program under the [School of Library, Archival and Information Studies](#), or contact the School.

Contact Information

School of Library, Archival and Information Studies
301-6190 Agronomy Road
Vancouver, BC V6T 1Z3
Tel: 604-822-2404
Fax: 604-822-6006
Email: slais.admission@ubc.ca
Website: www.slais.ubc.ca

Type of Action:
Edit Calendar entry.

Rationale:



<p>The program consists of:</p> <ul style="list-style-type: none">• ARST 600 or LIBR 600• ARST 610 or LIBR 610• ARST 620 or LIBR 620• ARST 621 or LIBR 621• additional coursework as recommended by the research supervisor and/or doctoral committee;• qualifying examinations (written and oral components) at an appropriate time as judged by the student's doctoral committee, not before the end of the first year; but before the end of the third year.• research leading to a written dissertation (ARST 699 or LIBR 699) that is defended in an oral examination. <p>Contact Information:</p> <p>Graduate Admissions Secretary</p> <p>School of Library, Archival and Information Studies</p> <p>TEF III, 301 - 6190 Agronomy Road</p> <p>Vancouver, BC, V6T 1Z3</p> <p>Tel: 604-822-2404</p> <p>Fax: 604-822-6006</p> <p>Email: slaisad@interchange.ubc.ca</p> <p>Web: www.slais.ubc.ca</p>	<p>The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.</p>
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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Literacy Education Degrees Offered: M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate program in Literacy Education (LITR) in the Department of Language and Literacy Education offers opportunities to study in the areas of English Education, Drama Education and Reading from cognitive, social, cultural and poststructuralist perspectives. Research areas within the program include: child language development in education, composition (writing); early, intermediate, adolescent and adult literacy; family literacy; children's and young adult literature; Aboriginal literacy; and arts-based and multi-modal approaches to literacy learning.</p> <p>Students who would like to undertake a Ph.D. specializing in Literacy Education can</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,264 Present Calendar Entry: Degrees Offered <p><i>M.A., M.Ed.</i> <i>Ph.D.</i></p> Program Overview <p>The Department of Language and Literacy Education offers programs and courses leading to the Master of Education and Master of Arts under the heading of Language and Literacy Education (LLED), which incorporates those listed previously under English Education (ENED), Teaching English as a Second Language (TESL), Reading Education (READ), Language Education (LANE), and Modern Language Education (MLED). The Department also offers programs of study leading to the Master of Education and Master of Arts under the heading of Teacher Librarianship (LIBE) and a Ph.D. in Language and Literacy Education (LLED) with a focus in the Department's areas of specialization.</p> <p>The Department of Language and Literacy Education includes scholars in a comprehensive range of language and literacy-education related fields. These fields relate to the teaching of the following subjects:</p> <ul style="list-style-type: none"> English as a Second Language (TESL) - TESL methods, applied linguistics, UBC/Ritsumeikan Joint Academic



do so through the program in
{I|11312|Language and Literacy Education}.

Full-time and part-time study options are offered.

Master of Arts

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the program normally requires:

1. eighteen credits of senior coursework or a professional concentration in the area of interest;
2. two years of teaching experience or other relevant professional experience.

Program Requirements

The program consists of 30 credits. A maximum of six credits may be taken at the 300- or 400-level. A thesis, normally nine credits, is included. The thesis serves as the capstone experience required for Teacher Qualification Service for B.C. teachers.

Master of Education

Admission Requirements

Same as M.A.

Program Requirements

M.Ed. program consists of a minimum of 30 credits, of which 24 must be courses numbered at the 500-level. A maximum of six credits may be taken at the 300- or 400-level. Students select either a program consisting entirely of courses (for example, ten 3-credit courses) or 27 credits of coursework plus a graduating project (3 credits). The graduating project serves as the capstone experience required for Teacher Qualification Service for B.C. teachers.

Contact Information:

Department of Language and Literacy Education
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5788

Exchange Program

- Literacy Education (LITR) - composition, early literacy, developmental reading, clinical methods, content areas, drama, adult literacy, family literacy, literature, oral language, poetry
- Teacher Librarianship (LIBE) - co-operative program planning, school library organization and management, school library automation
- Modern Languages (MLED) - French Immersion, French as a First and Second Language, Asia Pacific language and curriculum study, and other modern languages).

The Department of Language and Literacy Education is committed to excellence in scholarship, teaching, and professional leadership and is responsive to Canada's multicultural, multilingual context. Its goal is to advance the study of language learning, and the teaching and learning of language, literacy, and literature in their broadest frames of reference.

Graduate courses in research in the various subject matter fields as well as departmental doctoral seminars are offered on a rotating basis. Department members are actively involved with graduate students in local, provincial, national and international research. A complete listing of individual faculty research interests may be found in the Department's *Handbook On Graduate Admissions, Program Planning and Supervision*, which is available upon request, or on the [LLED website](#). While part-time students are accepted, preference is given to full-time students in M.A. and doctoral programs. A limited number of teaching assistantships and research assistantships are available to exceptionally qualified students.

The Department of Language and Literacy Education operates a state-of-the-art computer integrated language laboratory in [UBC/Ritsumeikan House](#), and a Language Education Research Centre, in Ponderosa Annex F, with multimedia facilities, special book collections, and language and literacy education curriculum materials. Video production facilities are also available for faculty and graduate students.

Please refer to [Education](#) under Faculty of Graduate Studies, Programs, for information on general admission requirements.

Contact Information



Fax: 604-822-3154

Email: anne.eastham@ubc.ca

Web: www.lled.educ.ubc.ca

Anne Eastham, Graduate Programs
Assistant

Department of Language and Literacy Education
2125 Main Mall
Vancouver, BC, V6T 1Z4
Tel: 604-822-5788
Fax: 604-822-3154
Email: eastham@interchange.ubc.ca
Website: www.lled.educ.ubc.ca

Ms. Anne Eastham, Graduate Programs
Assistant

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Modern Language Education Degrees Offered: M.A., M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate program in Modern Language Education (MLED) examines the social, linguistic, educational, cognitive, cultural and political processes affecting the teaching, learning, assessment, and use of languages other than English, whether learned as a first, second/additional, or heritage language. The program Faculty have special expertise in MLED teaching methods, language assessment, bilingualism, French as a Second Language, French immersion education, multilingual literacies, Asia-Pacific languages in education, heritage language education, technology in language education, language policy, and research on classroom teaching/learning of modern languages.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,264 Present Calendar Entry: Degrees Offered <i>M.A., M.Ed. Ph.D.</i> Program Overview <p>The Department of Language and Literacy Education offers programs and courses leading to the Master of Education and Master of Arts under the heading of Language and Literacy Education (LLED), which incorporates those listed previously under English Education (ENED), Teaching English as a Second Language (TESL), Reading Education (READ), Language Education (LANE), and Modern Language Education (MLED). The Department also offers programs of study leading to the Master of Education and Master of Arts under the heading of Teacher Librarianship (LIBE) and a Ph.D. in Language and Literacy Education (LLED) with a focus in the Department's areas of specialization.</p> <p>The Department of Language and Literacy Education includes scholars in a comprehensive range of language and literacy-education related fields. These fields relate to the teaching of the following subjects:</p> <ul style="list-style-type: none"> English as a Second Language (TESL) - TESL methods, applied linguistics, UBC/Ritsumeikan Joint Academic



Students who would like to undertake a Ph.D. specializing in Modern Language Education can do so through the program in {I|11312|Language and Literacy Education}.

Full-time and part-time study options are offered.

Master of Arts

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the program normally requires:

1. eighteen credits of senior coursework or a professional concentration in the area of interest;
2. two years of teaching experience or other relevant professional experience.

Program Requirements

The program consists of 30 credits. A maximum of six credits may be taken at the 300- or 400-level. A thesis, either six or nine credits, is included. The thesis serves as the capstone experience required for Teacher Qualification Service for B.C. teachers.

Master of Education

Admission Requirements

Same as M.A.

Program Requirements

M.Ed. program consists of a minimum of 30 credits, of which 24 must be courses numbered at the 500-level. A maximum of six credits may be taken at the 300- or 400-level. Students select either a program consisting entirely of courses (for example, ten 3-credit courses) or 27 credits of coursework plus a graduating project (3 credits). The graduating project serves as the capstone experience required for Teacher Qualification Service for B.C. teachers.

Exchange Program

- Literacy Education (LITR) - composition, early literacy, developmental reading, clinical methods, content areas, drama, adult literacy, family literacy, literature, oral language, poetry
- Teacher Librarianship (LIBE) - co-operative program planning, school library organization and management, school library automation
- Modern Languages (MLED) - French Immersion, French as a First and Second Language, Asia Pacific language and curriculum study, and other modern languages).

The Department of Language and Literacy Education is committed to excellence in scholarship, teaching, and professional leadership and is responsive to Canada's multicultural, multilingual context. Its goal is to advance the study of language learning, and the teaching and learning of language, literacy, and literature in their broadest frames of reference.

Graduate courses in research in the various subject matter fields as well as departmental doctoral seminars are offered on a rotating basis. Department members are actively involved with graduate students in local, provincial, national and international research. A complete listing of individual faculty research interests may be found in the Department's *Handbook On Graduate Admissions, Program Planning and Supervision*, which is available upon request, or on the [LLED website](#). While part-time students are accepted, preference is given to full-time students in M.A. and doctoral programs. A limited number of teaching assistantships and research assistantships are available to exceptionally qualified students.

The Department of Language and Literacy Education operates a state-of-the-art computer integrated language laboratory in [UBC/Ritsumeikan House](#), and a Language Education Research Centre, in Ponderosa Annex F, with multimedia facilities, special book collections, and language and literacy education curriculum materials. Video production facilities are also available for faculty and graduate students.

Please refer to [Education](#) under Faculty of Graduate Studies, Programs, for information on general admission requirements.

Contact Information



Contact Information:

Department of Language and Literacy
Education
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5788

Fax: 604-822-3154

Email: anne.eastham@ubc.ca

Web: www.lled.educ.ubc.ca

Anne Eastham, Graduate Programs
Assistant

Department of Language and Literacy Education
2125 Main Mall
Vancouver, BC, V6T 1Z4
Tel: 604-822-5788
Fax: 604-822-3154
Email: eastham@interchange.ubc.ca
Website: www.lled.educ.ubc.ca

Ms. Anne Eastham, Graduate Programs
Assistant

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Neuroscience Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The Neuroscience program is administered by the Neuroscience Advisory Committee which is responsible to the Dean of the Faculty of Graduate Studies. The Neuroscience program is flexible and is intended to accommodate the diverse background of students wishing to enter it, and also takes into account the broad nature of neuroscience research. The program accepts applicants with undergraduate majors in a variety of disciplines including but not restricted to biology, biochemistry, computer sciences, engineering, mathematics, neurosciences, pharmacology, physics, physiology, psychology and zoology. Applicants who are not graduates of a</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,278 Present Calendar Entry: Degrees Offered <i>M.Sc.</i> <i>Ph.D.</i> Program Overview <p>The Neuroscience program is administered by the Neuroscience Advisory Committee which is responsible to the Dean of the Faculty of Graduate Studies. The Neuroscience program is flexible and is intended to accommodate the diverse background of students wishing to enter it, and also takes into account the broad nature of neuroscience research. The program will accept for advanced degrees candidates with undergraduate majors in a variety of disciplines including but not restricted to biology, biochemistry, computer sciences, engineering, mathematics, neurosciences, pharmacology, physics, physiology, psychology and zoology. Applicants who are not graduates of a Canadian or American university are required to take the Graduate Records Examination (GRE); students whose first language is not English are required to take the test of English as a foreign language (TOEFL). Graduates with a professional degree (M.D., D.M.D., D.V.M.) may also be accepted into the program. Acceptance into the program is dependent upon:</p> <ol style="list-style-type: none">1. meeting the general entrance requirements of the Faculty of Graduate



Canadian or American university are required to take the Graduate Records Examination (GRE); students whose first language is not English are required to take the [Test of English as a Foreign Language \(TOEFL\)](#). Graduates with a professional degree (M.D., D.M.D., D.V.M.) may also be accepted into the program.

Doctor of Philosophy

Admission Requirements

Prerequisites include either a Master's degree, or a Bachelor's degree with first-class standing or equivalent. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Acceptance into the program is dependent upon:

- 1) meeting the general entrance requirements of the Faculty of Graduate Studies,
- 2) acceptance by the Neuroscience Admissions Committee, and
- 3) acceptance from a faculty member willing to act as the student's supervisor in a graduate program in Neuroscience.

Program Requirements

The student's graduate program will be decided upon by the student and the student's supervisory committee. The program aims for flexibility so that the individual needs of students with different interests in neuroscience can, as far as possible, be accommodated.

Courses taken at other universities or in their undergraduate program will be taken into consideration in planning the student's core course curriculum.

All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Studies,

2. acceptance by the Neuroscience Admissions Committee, and
3. acceptance from a faculty member willing to act as the student's supervisor in a graduate program in Neuroscience.

The student's graduate program will be decided upon by the student and the student's supervisory committee. The formal requirements in this regard, other than those set forth by the Faculty are as follows. The program aims for flexibility so that the individual needs of students with different interests in neuroscience can, as far as possible, be accommodated. Course requirements for the M.Sc. degree are normally taken in the first year of the program, and include the comprehensive core courses in Neuroscience (NRSC 500 and 501), as well as six credits of elective course work. Courses taken at other universities or in the undergraduate program at UBC will be taken into consideration in planning the student's core course curriculum. Additional advanced course and seminar requirements will vary with the particular interests and needs of the student as determined by the student and his supervisory committee.

Contact Information

Graduate Program in Neuroscience
2255 Wesbrook Mall, Room 4830
Vancouver, BC V6T 1Z3
Tel: 604-822-7375
Fax: 604-822-7981
Email: neurosci@interchange.ubc.ca
Website: www.interchange.ubc.ca/neurosci

Ms. Liz Wong, Graduate Secretary

Type of Action:
Added 3 members

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Admission Requirements

Prerequisites include a Bachelor's degree or its academic equivalent in a related subject.

Admission to the M.Sc. requires an overall average of 'A-' or better in all third- and fourth-year courses expected for entry into the program.

Acceptance into the program is dependent upon:

- 1) meeting the general entrance requirements of the Faculty of Graduate Studies,
- 2) acceptance by the Neuroscience Admissions Committee, and
- 3) acceptance from a faculty member willing to act as the student's supervisor in a graduate program in Neuroscience.

Program Requirements

The M.Sc. program consists of at least 18 credits of coursework usually taken in the first year (no more than six credits at the 300- or 400-level) and a 12-credit research thesis for a total of 30 credits.

The student's graduate program will be decided upon by the student and the student's supervisory committee. The program aims for flexibility so that the individual needs of students with different interests in neuroscience can, as far as possible, be accommodated.

Contact Information:

Graduate Program in Neuroscience
2255 Wesbrook Mall, Room 4830
Vancouver, BC V6T 1Z3

Tel: 604-822-7375

Fax: 604-822-7981

Email: neurosci@interchange.ubc.ca

Web: www.interchange.ubc.ca/neurosci

Liz Wong, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Occupational Therapy Degrees Offered: M.O.T. Members Professors Associate Professors Assistant Professors Program Overview <p>Occupational therapists provide specialized rehabilitation services to maintain, restore or improve the ability of children and adults to perform the occupations of daily life, which may be impaired as a result of illness, injury, congenital or acquired disabilities, or social disadvantage. Occupational therapists focus on adapting the environment or improving the person's skills, to enhance performance in the areas of self care (eating, dressing, personal hygiene), productivity (household work, employment, school), and leisure activities, thereby improving overall health and quality of life.</p> <p><i>The Master of Occupational Therapy degree provides the professional education</i></p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,295 Present Calendar Entry: Degrees Offered <p><i>M.O.T., M.P.T., M.R.Sc., M.Sc. Ph.D.</i></p> Master of Occupational Therapy <p>Occupational therapists provide specialized rehabilitation services to maintain, restore or improve the ability of children and adults to perform the occupations of daily life, which may be impaired as a result of illness, injury, congenital or acquired disabilities, or social disadvantage. Occupational therapists focus on adapting the environment or improving the person's skills, to enhance performance in the areas of self care (eating, dressing, personal hygiene), productivity (household work, employment, school), and leisure activities, thereby improving overall health and quality of life.</p> <p>The Master of Occupational Therapy degree provides the professional education necessary to obtain a license to practice occupational therapy. It differs from the advanced or research master's degree which prepares practitioners with advanced research skills and requires completion and defense of a thesis.</p> <p>Applicants must meet the admissions requirements of the Faculty of Graduate Studies, and admission is offered on a competitive basis.</p>



necessary to obtain a license to practice occupational therapy. It differs from the advanced or research {I|11347|M.Sc. in Rehabilitation Sciences} which prepares practitioners with advanced research skills and requires completion and defense of a thesis.

Master of Occupational Therapy

Admission Requirements

Admission is offered on a competitive basis. The annual enrolment and class size are limited. Admission requirements include:

- Completion of a recognized bachelor's degree in any field and the successful completion of the following prerequisites: biological sciences (3 credits), social sciences (3 credits) and behavioural sciences (3 credits).
- A minimum of 70 hours of volunteer or paid work at no more than two facilities.
- Primary consideration is given to residents of British Columbia.

Applicants who meet the above minimum requirements are eligible for interview consideration. Candidates are selected for interview based on the academic standing in senior level courses. The interview will comprise a verbal interview and an examination of written English proficiency. Fulfillment of the minimum requirements, however, does not guarantee an interview. Selection of interview candidates is based on the academic standing in the senior level courses.

Program Requirements

Successful completion of all academic and fieldwork requirements as outlined in the Program's website, www.rehab.ubc.ca.

Contact Information:

School of Rehabilitation Sciences
T325-2211 Wesbrook Mall
Vancouver, BC V6T 2B5

Tel: 604-822-7050
Fax: 604-882-7624

The annual enrolment and class size is limited to 36 seats.

Requirements

Completion of a recognized baccalaureate degree in any field and the successful completion of the following prerequisites:

- Biological Sciences (3 credits)
- Social Sciences (3 credits)
- Behavioural Sciences (3 credits)
- Academic standing of a minimum B+ (76%) average in senior level courses (300 and 400 level)
- 70 volunteer hours or work experience with people with disabilities
- Three reference letters (two verifying volunteer hours and experience and one verifying the applicant's ability to succeed in a graduate program.) Forms to facilitate the reference letters will be provided.
- Residency: Primary consideration is given to residents of British Columbia. Out-of-province residents or international students will only be considered in special circumstances or in the event that there are not enough eligible BC applicants.
- English competency: Applicants who have completed a degree from a university outside Canada in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Master of Occupational Therapy program are:
 - >
 - a. TOEFL (Test of English as a Foreign Language): a minimum score of 580 (paper version); 237 (computer version).
 - b. MELAB (Michigan English Language Assessment Battery) : a minimum overall score of 81



Email: rehab.admissions@ubc.ca
Web: www.rehab.ubc.ca

- c. IELTS (International English Language Testing Service): a minimum overall band score of 6.5 is required with a minimum score of 6.0 in each component of the academic (NOT general) IELTS test.

- Interview: Applicants who meet the above minimum requirements are eligible for interview consideration (verbal communication skill, maturity and personal suitability.) Fulfillment of the minimum requirements, however, does not guarantee an interview. Selection of interview candidates is based on the academic standing in the senior level courses.

The full-time Master of Occupational Therapy curriculum spans two calendar years and comprises six terms.

The Master of Occupational Therapy program includes the following courses:

(table removed, please see website)

Application for Admission

Persons interested in applying to the Master of Occupational Therapy program may call or write for application materials or use the [School of Rehabilitation Sciences website](#). Individuals interested in applying to the Master of Occupational Therapy program should complete and submit necessary forms and transcripts **no later than February 1** in the year of application to be eligible for beginning the course of study in late August.

Master of Physical Therapy

Physical therapists specialize in the assessment and treatment related to movement. Common movement disorders result from impairment of the neuromuscular, musculoskeletal, respiratory or cardiovascular systems. Following assessment of their clients, physical therapists often use physical agents such as therapeutic exercise, heat, cold, and electrical stimulation to increase muscle strength and function, reduce pain, promote general health and fitness, and prevent disability. As specialists in movement dysfunction, physical therapists also provide expertise in human mobility, carefully analyzing gait patterns and prescribing treatment regimens or devices (such as braces, crutches or wheelchairs) to enable clients to move



independently through their environments.

In many settings, therapists serve as members of a team of rehabilitation specialists, which may include physicians, nurses, social workers, special educators, speech pathologists and psychologists. Physical therapists work in hospitals, rehabilitation centres, psychiatric institutions, industrial facilities, government and voluntary health agencies, schools, extended care facilities, the client's home, or in private practice.

The Master of Physical Therapy degree provides the professional education necessary to obtain a license to practice physical therapy. It differs from the advanced or research master's degree which prepares practitioners with advanced research skills and requires completion and defense of a thesis.

Applicants must meet the admissions requirements of the Faculty of Graduate Studies, and admission is offered on a competitive basis. The annual enrolment and class size is limited to 36 seats.

Requirements

- Completion of a recognized baccalaureate degree in any field and the successful completion of the following prerequisites:
 - 1st year Biology (6 credits or equivalent)
 - 1st year Physics (3 credits or equivalent)
 - Chemistry 12 or higher
 - Basic Human Anatomy (3 credits or equivalent)
 - Psychology (3 credits or equivalent)
 - Statistics (3 credits or equivalent)
- Academic standing of a minimum B (72%) average in senior level courses (300 and 400 level)
- 70 volunteer hours or work experience with people with disabilities
- Three reference letters (two verifying volunteer hours and experience and one verifying the applicant's ability to



succeed in a graduate program.) Forms to facilitate the reference letters will be provided.

- Residency: Primary consideration is given to residents of British Columbia. Out-of-province residents or international students will only be considered in special circumstances or in the event that there are not enough eligible BC applicants.
- English competency: Applicants who have completed a degree from a university outside Canada in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Master of Physical Therapy program are:
 - a. TOEFL (Test of English as a Foreign Language): a minimum score of 580 (paper version); 237 (computer version);
 - b. MELAB (Michigan English Language Assessment Battery): a minimum overall score of 81;
 - c. IELTS (International English Language Testing Service): a minimum overall band score of 6.5 is required with a minimum score of 6.0 in each component of the academic (NOT general) IELTS test.

Applicants who meet the above minimum requirements are eligible for interview consideration (verbal communication skill, maturity and personal suitability). Fulfillment of the minimum requirements, however, does not guarantee an interview. Selection of interview candidates is based on the academic standing in the senior level courses.

The full-time Master of Physical Therapy curriculum spans 2 years and 2 months in length and comprises seven terms.

The Master of Physical Therapy program includes the following courses:

(table removed, please see website)



Application for Admission

Persons interested in applying to the Master of Physical Therapy program may call or write for application materials or use the [School of Rehabilitation Sciences website](#). Individuals interested in applying to the Master of Physical Therapy program should complete and submit necessary forms and transcripts **no later than February 1** in the year of application to be eligible for beginning the course of study in late August.

Master of Rehabilitation Science (M.R.Sc.)

The advanced (post-entry-level), online, Master of Rehabilitation Science (M.R.Sc.) program is intended for qualified professionals who practice in rehabilitation settings. The program requires 30 credits of required and elective coursework that includes a major project, and successful completion of a comprehensive examination in which the ability to transfer cumulative knowledge to rehabilitation practice is assessed. The degree may be completed part-time or full-time within 5 years.

Graduate Certificate in Rehabilitation program students may be eligible to request transfer credits.

Admission Requirements

Applicants must meet the admissions requirements of the Faculty of Graduate Studies; admission is offered on a competitive basis.

Requirements

- Completion of a recognized 4 year baccalaureate degree at an accredited academic institution.
- Applicants must be an occupational therapist, physical therapist or rehabilitation practitioner in a related health and human services discipline.
- Academic standing of a minimum B+ (76%) average in senior level courses (300 and 400 level).
- Three reference letters (at least two of which should be written by an individual who has knowledge of the applicant's academic and/or research abilities).
- Submission of a Faculty of Graduate Studies Application Form (available through www.rehab.ubc.ca).
- Submission of a statement of intent the School of Rehabilitation Sciences.
- English competency. Applicants who have



completed a degree in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission.

Recommended: Completion of an introductory course in Statistics.

The School reviews applications twice a year, October 15 and June 30 for September and January cohorts respectively. If a quota is not met, further offers of admission will be considered following the deadlines.

For more information about the Master of Rehabilitation Science (M.R.Sc.) program and admission requirements and procedures please go to Online Master's on the [Rehabilitation Sciences website](#).

Master of Science

The Master of Science program is designed to prepare individuals to conduct research independently and in collaboration with other scientists. Students will investigate an area of knowledge within rehabilitation and develop skills that permit a critical analysis of problems which can be related to basic sciences, clinical practice, or to development of theory. Three major fields of study reflect the focus of research among faculty members: disability, rehabilitation and society, exercise sciences and rehabilitation, and neurorehabilitation and motor control.

The program may be pursued by full or part-time students. Full-time study would normally require approximately 24 months, including completion of the thesis. A minimum of 30 credits is required for the degree. This consists of 18 credits of required course work in the School of Rehabilitation Sciences at the 500-level, which includes a 12-credit thesis. Twelve elective credits are also required, and these may be selected from courses offered within the School or from other academic units. At least six of the elective credits must be at the 500-level or above.

The specific courses taken will depend on the area of research concentration chosen, in consultation with a research supervisor. Once accepted, each student must have a plan of studies approved by his/her research supervisor and/or the graduate co-ordinator.

Courses regularly offered in the School include RHSC 502 (Rehabilitation Theory), RHSC 504 (Directed Studies), RHSC 506 (Current Topics in Rehabilitation), RHSC 510 (Disability: Social,



Economic and Political Influences), RHSC 515 (Exercise Physiology and Metabolism in Injury and Disease), and RHSC 520 (Neurorehabilitation). Courses regularly offered as part of the post-graduate certificate in Rehabilitation include: RHSC 501 (Evaluating Sources of Evidence), RHSC 503 (Reasoning & Decision Making), RHSC 507 (Developing Effective Rehabilitation Programs), RHSC 505 (Measurement in Practice), RHSC 509 (Featuring Learning in Rehabilitation Contexts). These courses are available as electives to qualified graduate students. For details, please refer to [the website](#).

Minimum admission requirements include a degree in occupational therapy, physical therapy, or a related rehabilitation profession, an academic record which meets the requirements of the Faculty of Graduate Studies, and completion of an introductory course in research methods and statistics (equivalent to RHSC 402). Applicants from non-Canadian universities are required to provide general GRE (Graduate Record Examination) scores as part of their application. Preference will be given to applicants who hold degrees in occupational or physical therapy, are qualified to practice their rehabilitation profession in British Columbia, and who have had recent clinical experience providing rehabilitation care.

Persons interested in applying to the program should request additional program and application information from the School of Rehabilitation Sciences.

Doctor of Philosophy

The School of Rehabilitation Sciences offers a program for advanced research study and original investigation in Rehabilitation Sciences at the Doctor of Philosophy (Ph.D.) level. This program is governed by the general requirements for the Doctor of Philosophy as described by the Faculty of Graduate Studies.

The program will focus on the discipline of Rehabilitation Sciences, the study of providing treatment and education to persons with temporary or permanent disability to return them to maximum function, well-being and personally-satisfying levels of independence.

A thesis-based master's degree in Rehabilitation Sciences, or in other related fields of study along with appropriate undergraduate and graduate courses, is normally required for admission. Appropriate coursework will be selected in consultation with the candidate's committee and will depend on the student's background and



field of study. All candidates are required to complete a written and oral comprehensive examination after completion of all course work. Following the comprehensive examination, the student will present a formal thesis proposal for approval by the candidate's committee before proceeding to the research which will culminate in a formal thesis defence. The major requirement of the Ph.D. is completion of a research thesis demonstrating ability to conduct significant and original scientific research.

Students entering the Ph.D. program will be required to spend a minimum of two terms of uninterrupted duration (8 months) in full-time status at the University.

Contact Information

School of Rehabilitation Sciences
T325-2211 Wesbrook Mall
Vancouver, BC V6T 2B5
Tel (M.O.T., M.P.T.): 604-822-7050
Tel (M.R.Sc., M.Sc., Ph.D.): 604-822-7765
Fax: 604-822-7624
Email (M.O.T., M.P.T.):
admissions@rehab.ubc.ca
Email (M.R.Sc., M.Sc., Ph.D.):
selander@interchange.ubc.ca
Website: www.rehab.ubc.ca

Ms. Pary Mohamed, Graduate Secretary
(M.O.T., M.P.T.)

Ms. Laura Selander, Graduate Secretary
(M.R.Sc., M.Sc., Ph.D.)

Type of Action:

Inserted program requirements

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

<p>Faculty: Science Department: Earth and Ocean Sciences Faculty Approval Date:</p> <p>Effective Session ____ Term ____ Year ____ for Change</p>	<p>Date: Contact Person: Joyce Tom Phone: Email:</p>
<p>Proposed Calendar Entry:</p> <p>Oceanography</p> <p>Degrees Offered: Ph.D. M.Sc.</p> <p>Members</p> <p>Professors</p> <p>R. Andersen, N. Balmforth, R. Francois, M. Healey, W. Hsieh, G. Ingram, C. Suttle.</p> <p>Associate Professors</p> <p>S. Allen, K. Orians, R. Pawlowicz.</p> <p>Assistant Professors</p> <p>C. DiBacco, M. Maldonado, E. Pakhomov, L. Pandolfo, A. Ridwell, P. Tortell.</p> <p>Program Overview</p> <p>Oceanographers investigate both fundamental and applied problems relating to the physics, mathematics, biology, chemistry, and geology of the sea, often working across traditional academic disciplines. Research carried out both independently and in collaboration with federal government laboratories occurs in the many different oceanographic regimes from</p>	<p>URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,282</p> <p>Present Calendar Entry:</p> <p>Degrees Offered</p> <p><i>M.Sc.</i> <i>Ph.D.</i></p> <p>Program Overview</p> <p>Oceanographers investigate both fundamental and applied problems relating to the physics, mathematics, biology, chemistry, and geology of the sea. Many of the phenomena that occur can be understood only through the cooperative application of more than one of these disciplines. Oceanographic research thus often requires multidisciplinary studies. A program in oceanography at UBC began in 1949 and graduates trained in the spectacular coastal waters of British Columbia are now spread out throughout North America.</p> <p>Research carried out both independently and in collaboration with federal government laboratories occurs in the many different oceanographic regimes occurring in this area - fjords, the inland sea of the Strait of Georgia, the coastal region of the North Pacific and the North Pacific itself, and even farther afield to the Arctic and Southern Oceans. The types of problems that can be studied include fundamental questions about the flow of stratified fluids at scales ranging from tens of meters to thousands of kilometers, applied research in estuaries, coastal, and deep-ocean</p>



BC fjords, the inland sea of the Strait of Georgia, open ocean regions of the Subarctic Pacific, and many other locations including the Arctic and Antarctic Oceans. The types of problems that can be studied include fundamental questions about the flow of stratified fluids at scales ranging from tens of meters to thousands of kilometers, applied research in estuaries, coastal, and deep-ocean processes, general ocean circulation and climate change issues, marine chemistry, geochemistry, and biogeochemistry, natural product chemistry, marine viruses, fisheries oceanography, plankton ecology and physiology, and primary production of the sea. The Department is well equipped to carry out research in the field (using either its own boat or larger vessels in the oceanographic fleet), at the laboratory bench, and in the numerical heart of a computer. Most problems involve aspects of all three.

Students in Oceanography may select courses, depending on their interest, from the following areas of specialization:

- Biological oceanography
- Marine chemistry and geochemistry
- Physical oceanography and atmospheric sciences

Students are encouraged to broaden their knowledge by taking courses outside their area of specialization. Courses related to Oceanography are also offered in the Departments of Botany, Chemistry, Civil Engineering, Geography, Physics and Astronomy, and Zoology.

Oceanography students normally begin their studies in September but may sometimes arrange to start their thesis work in the summer before their first Winter Session. A student wishing to do graduate work in Oceanography should first discuss the proposed program with appropriate faculty in the Department of Earth and Ocean Sciences.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a Master's degree in an area of science or applied science, with clear evidence of research ability or potential. Transfer from the Master's to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

processes, general ocean circulation and climate change issues, marine chemistry, geochemistry, and biogeochemistry, natural product chemistry, marine viruses, fisheries oceanography, plankton ecology and physiology, and primary production of the sea. The Department is well equipped to carry out research in the field (using either its own boat or larger vessels in the oceanographic fleet), at the laboratory bench, and in the numerical heart of a computer. Most problems involve aspects of all three.

Oceanographers themselves are usually educated in an appropriate basic science at the undergraduate level. The graduate programs offered at UBC provide the training needed to apply that knowledge to questions about the ocean, as well as providing an overview of the other fields of oceanography. Such training meets the needs of the oceanographic community in government, industry, and academia.

Master of Science and Doctor of Philosophy

Programs leading to both the Doctor of Philosophy and the Master of Science are offered. Students must satisfy the admission requirements of the Faculty of Graduate Studies and normally should have a bachelor's or master's degree in an area of science or applied science. The Ph.D. program consists of appropriate course work chosen in consultation with the candidate's committee and the preparation of a thesis based on the results of original research. The Master of Science program consists of 12 credits of thesis and 18 credits in course work, or 30 credits in course work and an essay.

Students in Oceanography may select courses, depending on their interest, from the following areas of specialization:

- Biological oceanography
- Marine chemistry and geochemistry
- Physical oceanography and atmospheric sciences.

Students are required to broaden their knowledge by taking courses outside their area of specialization.

Courses related to Oceanography are also offered in the Departments of Botany, Chemistry, Engineering, Geography, Physics and Astronomy, and Zoology.



Program Requirements

The Ph.D. program consists of appropriate coursework chosen in consultation with the student's committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a Bachelor's degree in an area of science or applied science, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The Master of Science program consists of 12 credits of thesis and 18 credits of course work, or 30 credits of coursework and an essay (EOSC 548, 3 credits).

Contact Information:

Department of Earth and Ocean Sciences
6339 Stores Road
Vancouver, BC V6T 1Z4

Tel: 604-822-2713
Fax: 604-822-6088
Email: aallen@eos.ubc.ca
Web: www.eos.ubc.ca

Alex Allen, Graduate Secretary

Oceanography students normally begin their studies in September but may sometimes arrange to start their thesis work in the summer before their first Winter Session. A student wishing to do graduate work in Oceanography should first discuss the proposed program with appropriate faculty in the Department of Earth and Ocean Sciences. Research interests of the faculty are described at:

www.eos.ubc.ca/research.

Contact Information

Department of Earth and Ocean Sciences
6339 Stores Road
Vancouver, BC V6T 1Z4
Tel: 604-822-2713
Fax: 604-822-6088
Email: aallen@eos.ubc.ca
Website: www.eos.ubc.ca

Ms. Alex Allen, Graduate Secretary

Type of Action:

Inserted requirements

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Oncology Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The Interdisciplinary Oncology Program offers advanced study and research in a variety of fields relating to oncology. The focus on interdisciplinarity is accomplished through a breadth of coverage in the following disciplines: molecular and cellular biology, genetics, biophysics, bioinformatics, pharmaceutical sciences, radiological sciences, immunology, socio-behavioural studies and epidemiology. The goal of the Program is to provide graduate students from diverse backgrounds with an education in a number of disciplines relating to oncology, and to provide opportunities for intensive training in specialized aspects of oncology through thesis research.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,698 Present Calendar Entry: Degrees Offered <i>M.Sc.</i> <i>Ph.D.</i> Program Overview <p>The Interdisciplinary Oncology Program offers advanced study and research in a variety of fields relating to oncology. The focus on interdisciplinarity is accomplished through a breadth of coverage in the following disciplines: molecular and cellular biology, genetics, biophysics, bioinformatics, pharmaceutical sciences, radiological sciences, immunology, sociobehavioural studies and epidemiology. This provides graduate students from diverse backgrounds with an education in a number of disciplines relating to oncology and intensive training in specialized aspects of oncology through thesis research. The objective is to combine knowledge from multiple disciplines to enhance progress in this complex field of research.</p> Admissions <p>Students who apply for entrance into the M.Sc. program must have completed a B.A., B.Sc., M.D. or equivalent degrees from recognized institutions. Students who apply for entrance into the Ph.D. program must have completed a</p>



Doctor of Philosophy

Admission Requirements

Admission to the Ph.D. program requires a M.A., M.Sc., M.D., or equivalent degree from a recognized institution. Applicants to the program are required to seek their own research supervisor and must have a commitment from that supervisor in place before acceptance to the Program is considered.

Program Requirements

The Doctor of Philosophy program consists of coursework plus a research thesis. Coursework must include the core courses (ONCO 502 and 510) plus any elective courses deemed necessary by the student's supervisor and supervisory committee. Students entering the PhD program without a Masters degree must complete a minimum of 18 credits of coursework (including ONCO 502 and 510) plus any elective courses deemed necessary by the student's supervisor and supervisory committee. While most electives should be at the 500-level or higher, a maximum of six credits may be at the 300 or 400 level. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Admission to the M.Sc. program requires a B.A., B.Sc., M.D., or equivalent degree from a recognized institution. Applicants to the program are required to seek their own Research Supervisor and must have a commitment from that supervisor in place before acceptance to the program can be considered.

Program Requirements

The Master of Science program requires 18 credits of coursework plus a 12 credit research thesis for a total of 30 credits. Coursework must include the core courses (ONCO 502 and 510) as well as electives chosen by the student in consultation with his/her research supervisor and supervisory committee. Most electives

B.A., B.Sc., M.A., M.Sc., M.D., or equivalent degrees from recognized institutions. Students who apply for entrance into either program must also satisfy the general requirements of the Faculty of Graduate Studies of UBC and be accepted by the Interdisciplinary Oncology Program Advisory Committee and research supervisors. The Advisory Committee ensures that students have appropriate backgrounds for graduate studies in the Program whereas research supervisors ensure that students have background for students' specific research topics and satisfy the minimum requirements of the host departments (the departments in which the supervisors reside).

All students entering the Program will enrol in the three core courses, Oncology 501, Oncology 502 and Oncology 510. Students will also take electives chosen from courses offered by other programs at UBC. The electives to be chosen will be determined by the individual student in consultation with the research supervisor and have to be approved by the student's Supervisory Committee. The combination of core and elective courses is designed to provide students with a broad, interdisciplinary perspective on oncology research, while allowing intensive academic training in a student's chosen field of specialization.

For more information please contact the Interdisciplinary Oncology Program office.

Contact Information

Interdisciplinary Oncology Program
BC Cancer Research Centre
601 West 10th Avenue
Vancouver, BC V5Z 1L3
Tel: 604-877-6283
Fax: 604-877-6002
Email: wcotting@bccancer.bc.ca
Website: www.bccrc.ca/oncologyprog.html

Ms. Wil Cottingham, Graduate Secretary

Type of Action:

Added admission requirements

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar



should be at the 500-level or higher but up to six credits may be at the 300- or 400-level.

entries consistent in length without leaving out any pertinent information.

Contact Information:

BC Cancer Research Centre
675 West 10th Ave.
Vancouver, BC V5Z 1L3

Tel: 604-675-8030

Fax: 604-675-8049

Email: wcotting@bccancer.bc.ca

Web: www.bccrc.ca/oncologyprog.html

Wil Cottingham, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Pharmacology Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate program in pharmacology was established in 1951, and currently includes programs in cardiovascular pharmacology, neuropharmacology, viral pharmacology, free radical biology and drug development. Additional training programs exist in therapeutics, evidence-based medicine and clinical investigation. The pharmacology graduate program has strengths in basic science as well as translational research.</p> <p>The pharmacology graduate program is a component of the newly formed Department of Anesthesiology, Pharmacology & Therapeutics,</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,285 Present Calendar Entry: Degrees Offered <i>M.Sc.</i> <i>Ph.D.</i> Doctor of Philosophy <p>Facilities are available for original investigations in cellular, biochemical, viral, autonomic, cardiovascular, clinical, and neuropharmacology within the Department of Pharmacology and Therapeutics.</p> Master of Science <p>Acceptance to the Master of Science degree program requires a Bachelor of Science degree in Pharmacology (or a related subject), or a Doctor of Medicine (M.D. or equivalent) degree. Students are required to register in all Departmental graduate-level courses in pharmacology and thesis-related subjects (18 credits) plus a 12-credit thesis.</p> Contact Information <p>Department of Pharmacology and Therapeutics 2176 Health Sciences Mall Vancouver, BC V6T 1Z3 Tel: 604-822-2575</p>



thus formalizing its historical research and academic interactions. Within this new structure, additional research programs reflecting the close association between the disciplines of anesthesiology, pharmacology and therapeutics are now available. Courses in pharmacology are taught at the undergraduate science, medical, dental and graduate levels.

The program adheres to an 'apprenticeship' model of graduate training, in which graduate students work in close collaboration with a faculty member who is also their graduate supervisor. The program has strengths in projects covering a wide range of scientific and clinical areas of investigation. The primary aim of our graduate training program is to provide students with the skills necessary to conduct research in pharmacology and therapeutics that can be published in first-rate journals. Thus, an important factor in an applicant's admissibility is a matching of research and professional interests of the student and a faculty member within the program.

Facilities are available for original investigations in cellular, biochemical, viral, autonomic, cardiovascular, clinical, and neuropharmacology within the Department of Anesthesiology, Pharmacology and Therapeutics.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a Master's degree and an advanced understanding in pharmacology, with clear evidence of research ability or potential. Transfer from the Master's to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Appropriate coursework may be selected in consultation with the student's supervisory committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Fax: 604-822-6012

Email: wynnel@interchange.ubc.ca

Website: www.pharmacology.ubc.ca

Mrs. Wynne Leung, Graduate Secretary,
Admissions

Ms. Janelle Stewart, Graduate Secretary,
Records

Type of Action:

Inserted missing program requirements for PhD

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Admission Requirements

Students admitted to the M.Sc. degree program normally possess a B.Sc. in pharmacology (or related area) or a Doctor of Medicine (M.D. or equivalent), and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

Students are required to take 18 credits of graduate-level courses in pharmacology and thesis-related subjects plus a 12-credit research thesis.

Contact Information:

Department of Anesthesiology, Pharmacology
and Therapeutics
2176 Health Sciences Mall
Vancouver, BC V6T 1Z3

Tel: 604-822-2575

Fax: 604-822-6012

Email: wynnel@interchange.ubc.ca

Web: www.pharmacology.ubc.ca

Wynne Leung, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Philosophy Degrees Offered: Ph.D. M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>The Philosophy Graduate Program offers courses of instruction leading to both the M.A. and Ph.D. in most major areas of the discipline, including epistemology, metaphysics, ethics, political and social philosophy, philosophy of art, philosophy of mind, philosophy of language, logic, philosophy of science, philosophy of biology, philosophy of mathematics and history of philosophy.</p> Doctor of Philosophy	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,286 Present Calendar Entry: Degrees Offered <i>M.A.</i> <i>Ph.D.</i> Program Overview <p>The Department of Philosophy offers courses of instruction leading to both the Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.) in most major areas of the discipline, including epistemology, metaphysics, ethics, political and social philosophy, philosophy of art, philosophy of mind, philosophy of language, logic, philosophy of science, philosophy of biology, philosophy of mathematics and history of philosophy.</p> Doctor of Philosophy <p>The Doctor of Philosophy program consists of course work, a comprehensive examination, and research leading to a dissertation that is defended in an oral final examination. See the Graduate Regulations located at the Department's website for details.</p> <p>Prerequisites for the Ph.D. include either an M.A. or an Honours B.A. with first class standing or equivalent.</p>



Admission Requirements

Students admitted to the Ph.D. degree program normally possess an M.A. or an honours B.A. with First class standing or equivalent. Transfer from the M.A. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Coursework is selected in consultation with the student's supervisory committee. All doctoral students are required to pass a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

See the Graduate Regulations located at the {H|www.philosophy.ubc.ca|Department's website} for details.

Master of Arts

Admission Requirements

Students admitted to the M.A. degree program must have a B.A. or B.Sc. with at least 3-credits of coursework in formal logic and sufficient upper division work in the history of philosophy, ethics and value theory, and metaphysics, epistemology, or the philosophy of science to enable the student to undertake graduate-level work in these areas. They must also meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

There are two options for the M.A.:

1. Thesis Option. This option requires 18 credits of coursework (a maximum of six credits at the 300- and 400-level) and a 12-credit thesis.
2. Course-based Option. This option requires 30 credits of coursework. Of these, six credits may be at the 300- or 400-level.

Contact Information:

Department of Philosophy

Master of Arts

There are two options for the Master of Arts:

1. Thesis Option. This option requires 18 credits of course work (6 credits at the 300 level or above and 12 credits at the 500 level or above) and a 12-credit thesis.
2. Non-thesis Option. This option requires 30 credits of course work. Of these, 6 credits may be at the 300 or 400 level, and 24 credits must be at the 500 level or above.

Prerequisites for the M.A. program include a Bachelor of Arts or Bachelor of Science with at least one term course in formal logic and sufficient upper division work in the history of philosophy, ethics and value theory, and metaphysics, epistemology, or the philosophy of science to enable the student to undertake graduate-level work in these areas.

Contact Information

Department of Philosophy
1866 Main Mall, Buchanan E370
Vancouver, BC V6T 1Z1
Tel: 604-822-3292
Fax: 604-822-8782
Email: bandrade@interchange.ubc.ca
Website: www.philosophy.ubc.ca

Ms. Bernadette Andrade, Graduate Secretary

Type of Action:

1. Remove Catherine Wilson.
2. Remove Tom Bittner.
3. Remove Christina Hendricks.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



THE UNIVERSITY OF BRITISH COLUMBIA

E370-1866 Main Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-8837

Fax: 604-822-8782

Email: phil.grad@ubc.ca

Web: www.philosophy.ubc.ca

Nissa Wainwright, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Physical Education Degrees Offered: M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate programs (M.Ed. and M.A.) in Physical Education (PETE) are part of the graduate offerings in the Department of Curriculum Studies. The Physical Education program will appeal to elementary, middle and secondary school educators with interests in: integrated and thematic approaches to curriculum and pedagogy; development and evaluation of outdoor environmental, leadership or experiential education programs; active living, health promotion and wellness; movement education concepts; teaching games for understanding; inclusive models of education and issues of equity and social justice. Students interested in secondary physical</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,229 Present Calendar Entry: Doctor of Education, Doctor of Philosophy, Master of Education, Master of Educational Technology and Master of Arts <p>Graduate programs in education are offered by various units in the Faculty of Education, as well as by the Faculty as a whole:</p> <ul style="list-style-type: none"> ▪ The Department of Curriculum Studies offers graduate programs in art education, business education, home economics education, mathematics education, music education, physical and health education, science education, social studies education, technology studies education, and curriculum studies. ▪ The Department of Educational and Counselling Psychology, and Special Education offers graduate programs in counselling psychology; educational psychology; human learning; development and instruction; measurement, evaluation and research methodology; school psychology; and special education. ▪ The Department of Educational Studies offers graduate programs in adult education, educational administration,



education, sport-specific instruction, or coaching might also want to consider the graduate programs within the School of Human Kinetics, but are encouraged to inquire with CUST as well.

Part-time and full-time study options are offered.

Master of Arts

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the program normally requires:

1. eighteen credits of senior coursework or a professional concentration in the area of interest; and
2. two years' teaching experience or other relevant professional experience.

Program Requirements

The Program consists of 30 credits. At least 15 credits must be at 500-level or above. A total of six credits may be taken at the 300- or 400-level. A thesis, normally nine credits, is included. The thesis serves as the capstone experience required for Teacher Qualification Service for B.C. teachers.

Master of Education

Admission Requirements

Same as M.A.

Program Requirements

M.Ed. program consists of a minimum of 30 credits. A maximum of six credits may be taken at the 300- or 400-level. Students select either a program consisting entirely of courses (for example, ten 3-credit courses) or a program of 27 credits of coursework plus a graduating project (three credits). The graduating project serves as the capstone experience required for Teacher Qualification Service for B.C. teachers.

Contact Information:

higher education, history of education, philosophy of education, sociology of education, educational studies and educational leadership and policy.

- The Department of Language and Literacy Education offers graduate programs in English as a second language literacy education, modern languages education and teacher librarianship.
- The Centre for Cross-Faculty Inquiry in Education offers graduate programming focused on themes that reflect interests from across the Faculty of Education.
- The Faculty of Education offers a joint online degree program in partnership with Tec de Monterrey, a Mexican university that specializes in online education. It provides students with an opportunity to participate with a culturally diverse student population.

Where appropriate, joint programs, which involve collaboration among the areas listed above, or which involve an area outside the Faculty of Education, can be arranged. For information on Graduate Certificates and Off-Campus Graduate work see [Graduate Programs](#) under the Faculty of Education section in this Calendar.

Master's Degrees

Students seeking entry to the Master of Arts (M.A.) in Education and the Master of Educational Technology (M.E.T.) programs should consult the individual program or unit for information regarding specific admission requirements. These are also outlined in the individual websites listed below:

- [Dept. of Curriculum Studies](#)
- [Dept. of Educational & Counselling Psychology, and Special Education](#)
- [Counselling Psychology Program](#)
- [Dept. of Educational Studies](#)
- [Dept. of Language and Literacy Education](#)
- [School of Human Kinetics](#)
- [Centre for Cross-Faculty Inquiry in Education](#)



Department of Curriculum Studies
2125 Main Mall, Vancouver, BC
Vancouver, BC V6T 1Z4

Tel: 604-822-5367

Fax: 604-822-4714

Email: cust.grad@ubc.ca

Web: www.cust.educ.ubc.ca

Basia Zurek, Graduate Secretary

▪ **[Master of Educational Technology](#)**

For information on off-campus graduate work please [email](#) or phone 604-822-2013.

Contact Information

General information on graduate programs in education may be obtained from the Office of Graduate Programs and Research.

Faculty of Education
2125 Main Mall, Room 2601
Vancouver, BC V6T 1Z4
Tel: 604-822-5512
Fax: 604-822-8971
Email: ogpr@interchange.ubc.ca

Prospective applicants are encouraged to visit the [Education Graduate Programs website](#).

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Physical Therapy Degrees Offered: M.P.T. Members Professors E. Dean, S. R. Harris. Associate Professors J. Eng, D. L. MacIntyre, W. D. Reid. Assistant Professors L. Li. Program Overview Physical therapists specialize in the assessment and treatment related to movement. Common movement disorders result from impairment of the neuromuscular, musculoskeletal, respiratory or cardiovascular systems. Following assessment of their clients, physical therapists often use physical agents such as therapeutic exercise, heat, cold, and electrical stimulation to increase muscle strength and function, reduce pain, promote general health and fitness, and prevent	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,295 Present Calendar Entry: Degrees Offered <i>M.O.T., M.P.T., M.R.Sc., M.Sc. Ph.D.</i> Master of Occupational Therapy Occupational therapists provide specialized rehabilitation services to maintain, restore or improve the ability of children and adults to perform the occupations of daily life, which may be impaired as a result of illness, injury, congenital or acquired disabilities, or social disadvantage. Occupational therapists focus on adapting the environment or improving the person's skills, to enhance performance in the areas of self care (eating, dressing, personal hygiene), productivity (household work, employment, school), and leisure activities, thereby improving overall health and quality of life. The Master of Occupational Therapy degree provides the professional education necessary to obtain a license to practice occupational therapy. It differs from the advanced or research master's degree which prepares practitioners with advanced research skills and requires completion and defense of a thesis. Applicants must meet the admissions requirements of the Faculty of Graduate Studies, and admission is offered on a competitive basis.



disability. As specialists in movement dysfunction, physical therapists also provide expertise in human mobility, carefully analyzing gait patterns and prescribing treatment regimens or devices (such as braces, crutches or wheelchairs) to enable clients to move independently through their environments.

The Master of Physical Therapy degree provides the professional education necessary to obtain a license to practice physical therapy. It differs from the advanced or research {I/11347/M.Sc. in Rehabilitation Sciences} which prepares practitioners with advanced research skills and requires completion and defense of a thesis.

Master of Physical Therapy

Admission Requirements

Admission is offered on a competitive basis. The annual enrolment and class size are limited. Admission requirements include:

- Completion of a recognized bachelor's degree in any field and the successful completion of the following prerequisites: first-year Biology (6 credits or equivalent), first-year Physics (3 credits or equivalent), Chemistry 12 or higher, Basic Human Anatomy (3 credits or equivalent), Basic Human Physiology 301 (6 credits or equivalent), Psychology (3 credits or equivalent), Statistics (3 credits or equivalent).
- A minimum of 70 hours of volunteer or paid work which includes direct contact involving interaction with persons with cognitive, emotional, or physical disabilities at no more than two facilities.
- Primary consideration is given to residents of British Columbia.

Applicants who meet the above minimum requirements are eligible for interview consideration. Candidates are selected for interview based on the academic standing in senior level courses. The interview will comprise a verbal interview and an examination of written English proficiency. Fulfillment of the minimum requirements, however, does not guarantee an interview. Selection of interview candidates is based on the academic standing in the senior level

The annual enrolment and class size is limited to 36 seats.

Requirements

Completion of a recognized baccalaureate degree in any field and the successful completion of the following prerequisites:

- Biological Sciences (3 credits)
- Social Sciences (3 credits)
- Behavioural Sciences (3 credits)
- Academic standing of a minimum B+ (76%) average in senior level courses (300 and 400 level)
- 70 volunteer hours or work experience with people with disabilities
- Three reference letters (two verifying volunteer hours and experience and one verifying the applicant's ability to succeed in a graduate program.) Forms to facilitate the reference letters will be provided.
- Residency: Primary consideration is given to residents of British Columbia. Out-of-province residents or international students will only be considered in special circumstances or in the event that there are not enough eligible BC applicants.
- English competency: Applicants who have completed a degree from a university outside Canada in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Master of Occupational Therapy program are:

>

a. TOEFL (Test of English as a Foreign Language): a minimum score of 580 (paper version); 237 (computer version).

a-b. MELAB (Michigan English Language Assessment Battery) : a minimum overall score of 81



courses.

Degree Requirements

Successful completion of all academic and fieldwork requirements as outline in the Program's website, www.rehab.ubc.ca.

Contact Information:

School of Rehabilitation Sciences
T325-2211 Wesbrook Mall
Vancouver, BC V6T 2B5

Tel: 604-822-7050

Fax: 604-822-7624

Email: rehab.admissions@ubc.ca

Web: www.rehab.ubc.ca

b-c. IELTS (International English Language Testing Service): a minimum overall band score of 6.5 is required with a minimum score of 6.0 in each component of the academic (NOT general) IELTS test.

- Interview: Applicants who meet the above minimum requirements are eligible for interview consideration (verbal communication skill, maturity and personal suitability.) Fulfillment of the minimum requirements, however, does not guarantee an interview. Selection of interview candidates is based on the academic standing in the senior level courses.

The full-time Master of Occupational Therapy curriculum spans two calendar years and comprises six terms.

The Master of Occupational Therapy program includes the following courses:

(table removed, please see website)

Application for Admission

Persons interested in applying to the Master of Occupational Therapy program may call or write for application materials or use the [School of Rehabilitation Sciences website](#). Individuals interested in applying to the Master of Occupational Therapy program should complete and submit necessary forms and transcripts **no later than February 1** in the year of application to be eligible for beginning the course of study in late August.

Master of Physical Therapy

Physical therapists specialize in the assessment and treatment related to movement. Common movement disorders result from impairment of the neuromuscular, musculoskeletal, respiratory or cardiovascular systems. Following assessment of their clients, physical therapists often use physical agents such as therapeutic exercise, heat, cold, and electrical stimulation to increase muscle strength and function, reduce pain, promote general health and fitness, and prevent disability. As specialists in movement dysfunction, physical therapists also provide expertise in human mobility, carefully analyzing



gait patterns and prescribing treatment regimens or devices (such as braces, crutches or wheelchairs) to enable clients to move independently through their environments.

In many settings, therapists serve as members of a team of rehabilitation specialists, which may include physicians, nurses, social workers, special educators, speech pathologists and psychologists. Physical therapists work in hospitals, rehabilitation centres, psychiatric institutions, industrial facilities, government and voluntary health agencies, schools, extended care facilities, the client's home, or in private practice.

The Master of Physical Therapy degree provides the professional education necessary to obtain a license to practice physical therapy. It differs from the advanced or research master's degree which prepares practitioners with advanced research skills and requires completion and defense of a thesis.

Applicants must meet the admissions requirements of the Faculty of Graduate Studies, and admission is offered on a competitive basis. The annual enrolment and class size is limited to 36 seats.

Requirements

- Completion of a recognized baccalaureate degree in any field and the successful completion of the following prerequisites:
 - 1st year Biology (6 credits or equivalent)
 - 1st year Physics (3 credits or equivalent)
 - Chemistry 12 or higher
 - Basic Human Anatomy (3 credits or equivalent)
 - Psychology (3 credits or equivalent)
 - Statistics (3 credits or equivalent)
- Academic standing of a minimum B (72%) average in senior level courses (300 and 400 level)
- 70 volunteer hours or work experience with people with disabilities



- Three reference letters (two verifying volunteer hours and experience and one verifying the applicant's ability to succeed in a graduate program.) Forms to facilitate the reference letters will be provided.
- Residency: Primary consideration is given to residents of British Columbia. Out-of-province residents or international students will only be considered in special circumstances or in the event that there are not enough eligible BC applicants.
- English competency: Applicants who have completed a degree from a university outside Canada in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Master of Physical Therapy program are:

~~a.~~ TOEFL (Test of English as a Foreign Language): a minimum score of 580 (paper version); 237 (computer version);

~~a-b.~~ MELAB (Michigan English Language Assessment Battery): a minimum overall score of 81;

~~b-c.~~ IELTS (International English Language Testing Service): a minimum overall band score of 6.5 is required with a minimum score of 6.0 in each component of the academic (NOT general) IELTS test.

Applicants who meet the above minimum requirements are eligible for interview consideration (verbal communication skill, maturity and personal suitability). Fulfillment of the minimum requirements, however, does not guarantee an interview. Selection of interview candidates is based on the academic standing in the senior level courses.

The full-time Master of Physical Therapy curriculum spans 2 years and 2 months in length and comprises seven terms.

The Master of Physical Therapy program includes the following courses:

(table removed, please see website)



Application for Admission

Persons interested in applying to the Master of Physical Therapy program may call or write for application materials or use the [School of Rehabilitation Sciences website](#). Individuals interested in applying to the Master of Physical Therapy program should complete and submit necessary forms and transcripts **no later than February 1** in the year of application to be eligible for beginning the course of study in late August.

Master of Rehabilitation Science (M.R.Sc.)

The advanced (post-entry-level), online, Master of Rehabilitation Science (M.R.Sc.) program is intended for qualified professionals who practice in rehabilitation settings. The program requires 30 credits of required and elective coursework that includes a major project, and successful completion of a comprehensive examination in which the ability to transfer cumulative knowledge to rehabilitation practice is assessed. The degree may be completed part-time or full-time within 5 years.

Graduate Certificate in Rehabilitation program students may be eligible to request transfer credits.

Admission Requirements

Applicants must meet the admissions requirements of the Faculty of Graduate Studies; admission is offered on a competitive basis.

Requirements

- Completion of a recognized 4 year baccalaureate degree at an accredited academic institution.
- Applicants must be an occupational therapist, physical therapist or rehabilitation practitioner in a related health and human services discipline.
- Academic standing of a minimum B+ (76%) average in senior level courses (300 and 400 level).
- Three reference letters (at least two of which should be written by an individual who has knowledge of the applicant's academic and/or research abilities).
- Submission of a Faculty of Graduate Studies Application Form (available through www.rehab.ubc.ca).
- Submission of a statement of intent the



School of Rehabilitation Sciences.

- English competency. Applicants who have completed a degree in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission.

Recommended: Completion of an introductory course in Statistics.

The School reviews applications twice a year, October 15 and June 30 for September and January cohorts respectively. If a quota is not met, further offers of admission will be considered following the deadlines.

For more information about the Master of Rehabilitation Science (M.R.Sc.) program and admission requirements and procedures please go to Online Master's on the [Rehabilitation Sciences website](#).

Master of Science

The Master of Science program is designed to prepare individuals to conduct research independently and in collaboration with other scientists. Students will investigate an area of knowledge within rehabilitation and develop skills that permit a critical analysis of problems which can be related to basic sciences, clinical practice, or to development of theory. Three major fields of study reflect the focus of research among faculty members: disability, rehabilitation and society, exercise sciences and rehabilitation, and neurorehabilitation and motor control.

The program may be pursued by full or part-time students. Full-time study would normally require approximately 24 months, including completion of the thesis. A minimum of 30 credits is required for the degree. This consists of 18 credits of required course work in the School of Rehabilitation Sciences at the 500-level, which includes a 12-credit thesis. Twelve elective credits are also required, and these may be selected from courses offered within the School or from other academic units. At least six of the elective credits must be at the 500-level or above.

The specific courses taken will depend on the area of research concentration chosen, in consultation with a research supervisor. Once accepted, each student must have a plan of studies approved by his/her research supervisor and/or the graduate co-ordinator.

Courses regularly offered in the School include RHSC 502 (Rehabilitation Theory), RHSC 504



(Directed Studies), RHSC 506 (Current Topics in Rehabilitation), RHSC 510 (Disability: Social, Economic and Political Influences), RHSC 515 (Exercise Physiology and Metabolism in Injury and Disease), and RHSC 520 (Neurorehabilitation).

Courses regularly offered as part of the post-graduate certificate in Rehabilitation include: RHSC 501 (Evaluating Sources of Evidence), RHSC 503 (Reasoning & Decision Making), RHSC 507 (Developing Effective Rehabilitation Programs), RHSC 505 (Measurement in Practice), RHSC 509 (Featuring Learning in Rehabilitation Contexts). These courses are available as electives to qualified graduate students. For details, please refer to [the website](#).

Minimum admission requirements include a degree in occupational therapy, physical therapy, or a related rehabilitation profession, an academic record which meets the requirements of the Faculty of Graduate Studies, and completion of an introductory course in research methods and statistics (equivalent to RHSC 402). Applicants from non-Canadian universities are required to provide general GRE (Graduate Record Examination) scores as part of their application. Preference will be given to applicants who hold degrees in occupational or physical therapy, are qualified to practice their rehabilitation profession in British Columbia, and who have had recent clinical experience providing rehabilitation care.

Persons interested in applying to the program should request additional program and application information from the School of Rehabilitation Sciences.

Doctor of Philosophy

The School of Rehabilitation Sciences offers a program for advanced research study and original investigation in Rehabilitation Sciences at the Doctor of Philosophy (Ph.D.) level. This program is governed by the general requirements for the Doctor of Philosophy as described by the Faculty of Graduate Studies.

The program will focus on the discipline of Rehabilitation Sciences, the study of providing treatment and education to persons with temporary or permanent disability to return them to maximum function, well-being and personally-satisfying levels of independence.

A thesis-based master's degree in Rehabilitation Sciences, or in other related fields of study along with appropriate undergraduate and graduate courses, is normally required for admission. Appropriate coursework will be selected in



consultation with the candidate's committee and will depend on the student's background and field of study. All candidates are required to complete a written and oral comprehensive examination after completion of all course work. Following the comprehensive examination, the student will present a formal thesis proposal for approval by the candidate's committee before proceeding to the research which will culminate in a formal thesis defence. The major requirement of the Ph.D. is completion of a research thesis demonstrating ability to conduct significant and original scientific research.

Students entering the Ph.D. program will be required to spend a minimum of two terms of uninterrupted duration (8 months) in full-time status at the University.

Contact Information

School of Rehabilitation Sciences
T325-2211 Wesbrook Mall
Vancouver, BC V6T 2B5
Tel (M.O.T., M.P.T.): 604-822-7050
Tel (M.R.Sc., M.Sc., Ph.D.): 604-822-7765
Fax: 604-822-7624
Email (M.O.T., M.P.T.):
admissions@rehab.ubc.ca
Email (M.R.Sc., M.Sc., Ph.D.):
selander@interchange.ubc.ca
Website: www.rehab.ubc.ca

Ms. Pary Mohamed, Graduate Secretary
(M.O.T., M.P.T.)

Ms. Laura Selander, Graduate Secretary
(M.R.Sc., M.Sc., Ph.D.)

Type of Action:

Inserted program requirements

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Physics Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The Department of Physics and Astronomy is comprised of over 50 faculty members with a wide range of research interests that cover most of the key topics in contemporary physics and astronomy. These activities are supported by several computing and experimental facilities within the Department, and excellent electronics and machine shops. Much of the Department's research is enhanced by local facilities such as the TRIUMF National Laboratory, the Advanced Materials and Process Engineering Laboratory (AMPEL), and the BC Cancer Agency, UBC and Vancouver General</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,287 Present Calendar Entry: Degrees Offered <i>M.A.Sc., M.Sc.</i> <i>Ph.D.</i> Program Overview <p>The Department of Physics and Astronomy is a broadly based department comprised of over 45 faculty members with a wide range of research interests that cover most of the key topics in contemporary physics and astronomy. These activities are supported by a variety of computing and experimental facilities within the Department, and excellent electronics and machine shops. Much of the Department's research is enhanced by local facilities such as the TRIUMF Meson Facility, the Advanced Materials and Process Engineering Laboratory (AMPEL), and the BC Cancer Agency, UBC and Vancouver General Hospitals, as well as involvement in national and international facilities such as the Canada-France-Hawaii Telescope (CFHT), the James Clerk Maxwell Telescope (JCMT), the Sudbury Neutrino Observatory (SNO), the Stanford Linear Accelerator (SLAC) the European Laboratory for Particle Physics (CERN), and Brookhaven National Lab (BNL). Although there is a great deal of collaboration and overlap of interests among the various groups, the research topics presently available to incoming graduate students can be roughly grouped into the</p>



Hospitals, in addition to many specialized research laboratories housed within the Department. There is a great deal of collaboration and overlap of interests among the various groups, and incoming graduate students are currently attracted to research opportunities in many subfields of physics:

- Applied Physics
- Medical Physics
- Biophysics
- Nuclear and Particle Physics
- Astronomy and Astrophysics
- Atomic, Molecular, and Optical Physics
- Condensed Matter Physics
- Theoretical Physics

Full details on research programs and facilities are available on the {[H|www.physics.ubc.ca|departmental website](http://www.physics.ubc.ca/departamental)} and the {[H|www.ampel.ubc.ca|AMPEL website](http://www.ampel.ubc.ca/AMPEL website)}.

Doctor of Philosophy

Admission Requirements

Students are normally admitted to the Ph.D. program after obtaining a Master of Science or Master of Applied Science and meeting the admission requirements set by the Faculty of Graduate Studies. Alternatively, well-qualified students admitted to the M.Sc. program may transfer to the Ph.D. program after a year's residence at UBC if they have at least 18 credits in M.Sc. coursework with an overall average of at least 85%, clear evidence of research ability, and approval of the thesis supervisor.

Program Requirements

A minimum of 12 credits in graduate level courses in any Science or Applied Science (or Medicine for Medical Physics students) departments are required for the Ph.D., with details of the course load determined in consultation with the thesis advisor and supervisory committee. Student's programs must satisfy the quantum mechanics course requirements. Students who do not already have credit for the required Master's degree courses for their program or the equivalent graduate level courses from another university (approved by Graduate Chair) must take these courses in the Ph.D. program. Direct transfer students require a further 12 credits of graduate level course work in any Science or Applied Science departments (or Medicine for Medical Physics

following areas:

- **Applied Physics.** Opportunities for research in applied physics cut across all of the research topics in the Department and are supported by collaboration with local hospitals, the TRIUMF Meson Facility, government research agencies and industrial partners. Current projects range from advanced magnetic resonance imaging techniques, to the use of cyclotrons in medicine and isotope production. In optics alone applications include projects as diverse as the use of structured surfaces for lightguides, thin film deposition for optical coatings, and the development of rotating liquid mirrors for telescopes.
- **Astronomy and Astrophysics.** UBC research in astronomy and astrophysics covers most areas of current interest in this broad field, including a wide range of theoretical and observational studies in astronomy, and also experimental and theoretical studies in cosmology. Research at optical wavelengths includes photometric studies of stellar populations, particularly globular clusters, studies of distant galaxies and active galactic nuclei, and time-resolved spectroscopy of variable stars and active binary star systems. Studies at microwave frequencies include research on variable radio sources, the early stages of star formation, relativistic jets, and balloon-borne measurements of the cosmic microwave background radiation. A variety of theoretical work complements this research, with topics that range all the way from the structure and dynamics of hot and cool stellar atmospheres to theoretical studies of structure formation in the early universe. Development of astronomical instrumentation is also supported. These and many other possibilities are available through UBC researchers' involvement in facilities such as the Dominion Astrophysical Observatory (near Victoria), the Canada-France-Hawaii telescope and the James Clerk Maxwell mm-wave telescope on Mauna Kea, the Hubble Space Telescope, the Very Large Array in New Mexico and the Very Long Baseline Array. Faculty are also involved in upcoming projects such as the Gemini telescopes in Chile and Hawaii, a new six-metre liquid mirror telescope developed at UBC, and a number of future space missions.



students) for the Ph.D.

All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

The prerequisite for the program is a B.Sc. in physics (single or combined), astronomy, or mathematics; or a B.A.Sc. in engineering physics or electrical engineering. An overall average of 'A-' or better in third- and fourth-year courses is expected for entry into the program.

Program Requirements

The M.Sc. program requires a minimum of 30 credits with the thesis counting 12 credits. The remaining 18 credits must include at least 12 credits from graduate courses in any Science or Applied Science departments (or Medicine, for medical physics students), and may include a maximum of six 300- or 400-level courses. All M.Sc. students are required to satisfy the Department's quantum mechanics course requirements.

Contact Information:

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Oliva Dela Cruz-Cordero, Graduate Coordinator

- Condensed Matter Physics. Condensed matter physics at UBC spans a wide range of theoretical and experimental research on materials of current interest, with considerable effort also devoted to applications and the development of new materials and processes. Topics of current interest include critical phenomena, novel magnetic materials, low dimensional materials such as the organic conductors and quasi-one and two-dimensional magnetic systems, high temperature superconductivity, cryocrystals, heavy fermions, and research on semiconductors that includes work such as the development of new diagnostic techniques for monitoring film growth in MBE, and the study of nanostructures. A wide range of equipment is available for sample preparation in the AMPEL building, including a solid state chemistry lab, MBE and laser ablation systems for film growth, and a newly outfitted clean room for device fabrication. Research tools and techniques include far infrared and Raman spectrometers, microwave measurements, NMR, uSR, scanning microscopes (SEM, AFM, STM), magnetometers, perturbed angular correlation, ultrafast time-resolved spectroscopies, transport measurements, and a number of new techniques such as B-NMR at the new ISAC facility being built at TRIUMF.
- Laser and Plasma Physics. A variety of research topics rely on the use of the wide range of lasers and related apparatus available in the Department, such as tunable dye lasers, IR diode lasers, picosecond IR lasers and femtosecond tunable visible lasers for pump-probe experiments, picosecond streak cameras, and a nanosecond Nd-glass laser. The techniques made possible by this equipment are used to study a wide range of physics, including strongly coupled plasmas, laser-generated shock waves, non-linear semiconductor spectroscopy, surface physics, high resolution spectroscopy of molecules and ions, and the properties of semiconductor nanostructures.
- Medical and Biophysics. Research in medical and biophysics is carried out within the Department, with strong collaborations with the Immunology department, the BC Cancer Agency, and local hospitals. Physicists working in



	<p>these areas are engaged in research that ranges all the way from fundamental problems such as the nature of the cellular membrane and modelling the immune system, to more applied problems such as modelling doses in radiotherapy, development of novel optical diagnostic techniques, and development of new techniques for DNA sequencing. Researchers in this diverse field make use of a wide range of research tools including NMR and MRI apparatus, equipment for studying the physical structure and mechanical properties of membranes, proton and pion beams at TRIUMF, PET and SPECT and a wide array of treatment and diagnostic facilities at the BC Cancer Agency.</p> <ul style="list-style-type: none">▪ Subatomic Physics. Research in subatomic physics is carried out locally at the TRIUMF facility and at national and international facilities such as the Sudbury Neutrino Observatory, SLAC, CERN, BNL and KEK. Many possibilities for graduate research are made possible by UBC researchers' involvement in these major facilities. The wide range of research projects underway include pion, hyperon, and dibaryon physics, rare K decays, neutrino astrophysics at SNO, the OPAL experiment on electroweak physics at CERN, the BaBar experiment on CP violation and heavy quark physics at SLAC, the ATLAS experiment at the new LHC facility, the TWIST experiment at TRIUMF, SLAC and experiments in T-violation at KEK. Projects in accelerator and beam physics are also underway at TRIUMF and CERN as well as accelerator instrumentation and feedback-control systems here at UBC.▪ Theoretical Physics. In theoretical subatomic physics, the Department is active in areas including string theory matrix models, topological field theories, conformal field theories, relativistic scattering, chiral symmetry breaking, supersymmetry and electroweak interactions, quantum chromodynamics, the quark model, and neutrino oscillations. Condensed matter theorists work on quantum many body problems involving strongly correlated electrons, quantum magnetism, mesoscopic systems, quantum impurities, and high temperature superconductors. Work in statistical mechanics and numerical modelling
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includes topics such as ruptures in elastic media (related to earthquakes), non-equilibrium phase transitions, and neural network models of the ocean-atmosphere climate system. Research in gravity and quantum mechanics focuses on topological fluctuations in numerical quantum gravity, chaos in general relativity, black hole evaporation, quantum computing, and the meaning of time. Research in cosmology and astrophysics addresses problems ranging from the nature of the early universe and the cosmic microwave background, to the structure and dynamics of stellar atmospheres.

A brochure describing the research facilities in more detail is available on request from the Department of Physics and Astronomy. See also [Advanced Materials and Process Engineering Laboratory](#). Up-to-date information is also available on the Department of [Physics and Astronomy website](#).

Doctor of Philosophy

The Department offers Ph.D. programs in Astronomy, Physics, and Engineering Physics. Students can be admitted to the Ph.D. program after obtaining a Master of Science, or Master of Applied Science. A minimum of 12 credits in graduate level courses in any Science or Applied Science (or Medicine for Medical Physics students) departments are required for the Ph.D., with details of the course load determined in consultation with the thesis advisor and supervisory committee but must conform to the department's quantum mechanics requirements. Students who do not already have credit for the required Master's degree courses for their program or the equivalent graduate level courses from another university (approved by Graduate Chair) must take these courses in the Ph.D. program. Alternatively, well-qualified students admitted to the M.Sc. or M.A.Sc. program may transfer to the Ph.D. program after a year's residence at UBC if they have at least 18 credits in M.Sc. or M.A.Sc. course work with an overall average of at least 85%, clear evidence of research ability, and approval of the thesis supervisor. Direct transfer students require a further 12 credits of graduate level course work in any Science or Applied Science departments (or Medicine for Medical Physics students) for the Ph.D.

Master of Science

Master of Science programs are offered in



physics and astronomy. The prerequisite for the program is a B.Sc. in physics (single or combined), astronomy, or mathematics; or a B.A.Sc. in engineering physics or electrical engineering. An overall average of 'A-' or better in third- and fourth-year courses is expected for entry into the program. The M.Sc. program requires a minimum of 30 credits with the thesis counting 12 credits. The remaining 18 credits must include at least 12 credits from graduate courses in any Science or Applied Science departments (or Medicine, for medical physics students), and may include up to six 300- or 400-level credits in undergraduate courses. All M.Sc. and M.A.Sc. students are required to satisfy the Department's quantum mechanics course requirements. Astronomy graduate students must also participate in the Astronomy Journal Club.

Master of Applied Science

A B.A.Sc. in Engineering Physics or Electrical Engineering is a prerequisite. An overall average of 'A-' or better in third and fourth year courses is expected for entry into the program. The M.A.Sc. program requires a minimum of 30 credits with the thesis counting 12 credits. The remaining 18 credits must include at least 12 credits from graduate courses in physics and astronomy, or any Science or Applied Science departments and may include up to six 300- or 400-level credits in undergraduate courses. All M.A.Sc. students are required to satisfy the Department's quantum mechanics course requirements.

Contact Information

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Website: www.physics.ubc.ca

Mr. Tony Walters, Graduate Coordinator

Type of Action:

Edit Calendar entry.

Change of graduate coordinator name.

Rationale:

The Faculty of Graduate Studies is making an effort



	to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.
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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Plant Science Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The Plant Science Graduate Program offers M.Sc. and Ph.D. degrees in fundamental and applied topics related to plant production, plant protection, biotechnology, plant physiology and biochemistry, and plant-environment interactions. Specific areas of specialization include:</p> <ul style="list-style-type: none"> • Plant-microbe interaction, bacterial and fungal diseases, plant virology, biological control of pests and diseases, insect physiology, natural insecticides, insect ecology and behaviour, and weed biology, ecology and control. 	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,290 Present Calendar Entry: Degrees Offered <i>M.Sc.</i> <i>Ph.D.</i> Master of Science and Doctor of Philosophy <p>The Plant Science Graduate Program offers M.Sc. and Ph.D. degrees in fundamental and applied topics related to plant production, plant protection, biotechnology, plant physiology and biochemistry, and plant-environment interactions. Specific areas of specialization include:</p> <ul style="list-style-type: none"> ▪ Plant-microbe interaction, bacterial and fungal diseases, plant virology, biological control of pests and diseases, insect physiology, natural insecticides, insect ecology and behaviour, and weed biology, ecology and control. ▪ Seed physiology, plant nutrition, plant growth analysis, plant-plant interaction, biotic and abiotic stressor resistance, and environmental plant physiology. ▪ Vegetable culture, ornamental horticulture, plant breeding, and post-harvest physiology.



- Seed physiology, plant nutrition, plant growth analysis, plant-plant interaction, biotic and abiotic stressor resistance, and environmental plant physiology.
- Vegetable culture, ornamental horticulture, plant breeding, and post-harvest physiology.
- Plant biochemistry, tissue culture, genetic engineering, and plant, fungal, and viral molecular genetics.
- Rangeland ecology, and wildlife habitat studies.

The program is enriched through collaboration with colleagues in Graduate Programs such as Food Science, Soil Science, Botany, Zoology, and in agencies such as Agriculture and Agri-Food Canada, and the British Columbia Ministry of Agriculture, Fisheries and Food.

Plant Science teaching and research facilities are located in the UBC Biotech Laboratory and in the H.R. MacMillan Building, which houses the Faculty of Land and Food Systems and the MacMillan Library, with its excellent collection of books and periodicals in agriculture and forestry. Research facilities include: the UBC Botanical Garden, field Laboratory (8.1 ha land and orchards on-campus), greenhouses, controlled environment growth chambers, and modern analytical laboratories.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a M.Sc. degree in Plant Science or a related area, with clear evidence of research ability or potential. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Appropriate coursework may be selected in consultation with the student's supervisory committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program

- Plant biochemistry, tissue culture, genetic engineering, and plant, fungal, and viral molecular genetics.
- Rangeland ecology, and wildlife habitat studies.

The program is enriched through collaboration with colleagues in Graduate Programs such as Food Science, Soil Science, Botany, Zoology, and in agencies such as Agriculture and Agri-Food Canada, and the British Columbia Ministry of Agriculture, Fisheries and Food.

Coursework selected in consultation with the student's supervisory committee includes graduate courses in plant science and from other areas relevant to each student's research.

Plant Science teaching and research facilities are located in the UBC Biotech Laboratory and in the H.R. MacMillan Building, which houses the Faculty of Agricultural Sciences and the MacMillan Library, with its excellent collection of books and periodicals in agriculture and forestry. Research facilities include: the UBC Botanical Garden, field Laboratory (8.1 ha land and orchards on-campus), greenhouses, controlled environment growth chambers, and modern analytical laboratories.

Contact Information

Faculty of Agricultural Sciences
270-2357 Main Mall
Vancouver, BC V6T 1Z4
Tel: 604-822-4593
Fax: 604-822-4400
Email: gradapp@interchange.ubc.ca
Website: www.aqsci.ubc.ca/grad

Ms. Alina Yuhymets, Graduate Programs Manager

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any



normally possess a B.Sc. degree in Plant Science or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

Coursework selected in consultation with the student's supervisory committee includes graduate courses in plant science and from other areas relevant to each student's research. Completion of the M.Sc. program requires a minimum of 18 credits of coursework plus 12 credits of thesis research.

Contact Information:

Faculty of Land and Food Systems
270-2357 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-4593

Fax: 604-822-4400

Email: gradapp@interchange.ubc.ca

Web:

http://www.landfood.ubc.ca/programs/plant_sc_grad.htm

pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (1)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Political Science Degrees Offered: Ph.D. M.A. Members Professors M. Byers, M. Cameron, C. Campbell, R. K. Carty, B. L. Job, R. G. C. Johnston, P. J. Marantz, D. Mauzy, P. Quirk, P. Resnick, A. Tupper, M. D. Wallace, M. Warren. Associate Professors B. Arneil, P. Dauvergne, K. Harrison, R. M. Price, J. R. Wood. Assistant Professors G. Baier, K. Coleman, F. E. Cutler, K. Foster, K. Jacobs, L. Janara, A. O'Mahony, L. M. Sundstrom, Y. Tiberghien. Program Overview The Department of Political Science offers opportunities for advanced study in the major fields of political science. It is a major centre for the study of Canadian politics with a strong core of faculty actively engaged in	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,292 Present Calendar Entry: Degrees Offered M.A. Ph.D. Program Overview The Department of Political Science offers opportunities for advanced study in the major fields of political science. It is a major centre for the study of Canadian politics with a strong core of faculty actively engaged in research touching on Canadian themes. The Department is a leading centre for the study of parties and elections in Canada. It has a long tradition of the study of federalism and the normative dimensions underlying Canadian politics. Much current work focuses on issues of public policy. The University is one of North America's leading centres for Asian studies and the Department is an important element of that research strength with faculty members specializing in the study of China, Japan, India, Korea and Southeast Asia. Several department members are associated with the Institute of Asian Research on campus and play an active role in the editorial work of the journal <u><i>Pacific Affairs</i></u> which is housed on campus. The Department has a long tradition of research in international relations and in international security studies. Several faculty members are



research touching on Canadian themes. The Department is a leading centre for the study of parties and elections in Canada. It has a long tradition of the study of federalism and the normative dimensions underlying Canadian politics. Much current work focuses on issues of public policy.

The University is one of North America's leading centres for Asian studies and the Department is an important element of that research strength with faculty members specializing in the study of China, Japan, India, Korea and Southeast Asia. Several department members are associated with the Institute of Asian Research on campus and play an active role in the editorial work of the journal *Pacific Affairs* which is housed on campus.

The Department has highly regarded expertise in the area of international relations. Department faculty are affiliated with the UBC **Center of International Relations**, which is awarded yearly grants by the Department of National Defence as a centre of expertise under its Military and Strategic Studies Program, and Department faculty are also active in the interdisciplinary **Liu Institute for the Study of Global Issues**

The Department also promotes research and teaching in political theory, political economy, research methodologies and public policy. Individual faculty members' interests cover a broad spectrum of political systems (including Russia, Latin America, the United States and Australia in addition to those noted above) and embrace a variety of methodological approaches.

The UBC Library is one of North America's major university research libraries and is a depository for UN, Canadian and BC Government publications, and many US Government documents. The Asian Research Library is a particularly important research centre. The Department and UBC Library hold joint memberships in the Inter-University Consortium for Political Research and the International Survey Library Association. The UBC Data Library has the largest collection of machine-readable material in Canada.

Doctor of Philosophy

Admission Requirements

As a general rule, the Department requires

~~associated with UBC's interdisciplinary Centre of International Relations (whose current Director is a member of the Department of Political Science). The Centre has been recognized for its expertise by the Department of National Defence which provides support through its Military and Strategic Studies program.~~

The Department also promotes research and teaching in political theory, political economy, research methodologies and public policy. Individual faculty members' interests cover a broad spectrum of political systems (including Russia, Latin America, the United States and Australia in addition to those noted above) and embrace a variety of methodological approaches.

The UBC Library is one of North America's major university research libraries and is a depository for UN, Canadian and BC Government publications, and many US Government documents. The Asian Research Library is a particularly important research centre. The Department and UBC Library hold joint memberships in the Inter-University Consortium for Political Research and the International Survey Library Association. The UBC Data Library has the largest collection of machine-readable material in Canada.

Doctor of Philosophy

The basic requirements are six three-credit seminars in the first year, two comprehensive examinations (chosen from Canadian politics, comparative politics, international relations and political theory) the second year, and a dissertation. As a general rule, the Department requires that applicants to the Ph.D. program have an undergraduate degree and a Master of Arts in Political Science. Criteria for admission include evidence of outstanding previous work, research interests compatible with those of the Department, and letters of reference indicating a strong potential to contribute to the discipline. Admission is competitive and the Department generally admits approximately ten students each year.

Master of Arts

This is a one-year program for full-time students. Students may also complete the degree on a part-time basis. The basic requirements include six one-term seminars and a thesis of a maximum of 100 pages which is orally defended upon completion. As a general rule, successful applicants will have an average of no less than a 'B+' standing in their final two



that applicants to the Ph.D. program have an undergraduate degree and a Master of Arts in Political Science. Criteria for admission include evidence of outstanding previous work, research interests compatible with those of the Department, and letters of reference indicating a strong potential to contribute to the discipline. Admission is competitive and the Department generally admits approximately 10 students each year.

Transfer from the M.A. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies and the Political Science Graduate Program. Please refer to www.politics.ubc.ca for details.

Program Requirements

The basic requirements are 36 course credits in the first two years of study, including a methods requirement consisting of any political theory course and any two methods courses. Students are also required to pass two comprehensive examinations (chosen from Canadian politics, comparative politics, international relations, political theory, and US politics) normally in the fall of the third year. Students who enter our Ph.D. program from our M.A. program may be granted advanced standing by counting their M.A. coursework towards their two years of Ph.D. requirements.

The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Arts

Admission Requirements

As a general rule, successful applicants will have minimum First class standing (80 percent or higher at UBC or equivalent) in each of the last 2 years of undergraduate study, in accordance with the criteria for admission requirement set forth by the Faculty of Graduate Studies.

The TOEFL requirement is 580.

Program Requirements

This is a one-year program for full-time students. Students may also complete the degree on a part-time basis. The basic requirements normally include six one-term seminars and a thesis of a maximum of 100 pages which is orally defended upon completion.

undergraduate years and will have demonstrated an ability to do A level work in senior undergraduate classes.

The TOEFL requirement is 580.

Contact Information

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Website: www.politics.ubc.ca

Ms. Vanessa Long, Acting Graduate Secretary

Type of Action:

Edit Calendar entry.

Change in program requirements.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.

We are proposing changing our Ph.D. program from one year of coursework to two years of coursework. Students who enter our Ph.D. program from our M.A. program may be granted advanced standing by counting their M.A. coursework towards their two years of Ph.D. requirements.



Contact Information:

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Vancouver, BC V6T 1Z1

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Vanessa Long, Acting Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Psychology Degrees Offered: Ph.D. M.A. Members Professors L. Alden, S. Coren, D. G. Dutton, E. Eich, J. T. Enns, B. Gorzalka, P. Graf, A. R. Hakstian, D. G. Hall, P. L. Hewitt, C. Johnston, A. Kingstone, D. R. Lehman, W. Linden, D. L. Paulhus, J. P. J. Pinel, C. H. Rankin, M. Schaller, J. Schooler, R. C. Tees, L. J. Walker, L. M. Ward, J. Werker, D. M. Wilkie, J. C. Yuille. Associate Professors E. Chen, A. DeLongis, L. A. M. Galea, D. Giaschi, S. Heine, T. M. MacBeth, G. Miller, R. Rensink, S. Woody, F. Xu. Assistant Professors J. Biesanz, S. A. J. Birch, S. Carlson, B. Christie, K. Christoff, E. Dunn, S. Floresco, T. Handy, A. Norenzayan, K. Soma, J. Tracy.	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,293 Present Calendar Entry: Degrees Offered M.A. Ph.D. Master of Arts and Doctor of Philosophy The Department of Psychology offers opportunities for advanced study in the following areas of specialization: behavioural neuroscience, clinical psychology, cognitive science, developmental psychology, forensic psychology, perception, cognitive science, personality and social psychology, environmental psychology, and psychometrics. In collaboration with the Media and Graphics Interdisciplinary Centre, the Department of Psychology offers an M.A. specialization in <u>Human Computer Interaction</u> . The graduate program in psychology provides exposure to ongoing research projects in each of its areas of specialization. The Doctor of Philosophy and Master of Arts are awarded only to those students who acquire a detailed knowledge of the current research findings in their area of specialization, a knowledge of the concepts and issues in other selected areas of psychology and the ability to conduct original research of high quality. In addition to the above requirements, clinical students (the program is fully accredited by both A.P.A. and C.P.A.) must



Program Overview

The Psychology Graduate Program offers advanced study leading to both the Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.) degrees in most major areas of the discipline, including: behavioral neuroscience, clinical psychology, cognitive science, developmental psychology, forensic psychology, health psychology, personality and social psychology, and psychometrics. The clinical program is fully accredited by both the American Psychological Association and the Canadian Psychological Association. Graduate education in the department follows an apprenticeship model in which students conduct research in close collaboration with a particular faculty member. Graduate study must be on a full-time basis. Students are typically assured of financial support (in the form of fellowships, teaching assistantships, and research assistantships) for two years at the master's level and four years at the doctoral level. Complete details regarding the various programs in psychology are provided on the Department's {H|www.psych.ubc.ca/graduate.htm|website }.

Doctor of Philosophy

Admission Requirements

Admission to the Ph.D. program requires a ~~MM~~Master's degree and evidence of research competence. Areas of specialization include behavioral neuroscience, clinical psychology, cognitive science, developmental psychology, forensic psychology, health psychology, personality and social psychology, and psychometrics.

Program Requirements

~~All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements. Program requirements include coursework, comprehensive examinations, and a dissertation. In addition to the usual coursework and research requirements, e~~Clinical students must develop an acceptable level of clinical skill and serve a one-year internship in an approved applied

develop an acceptable level of clinical skill, and must serve a one-year internship in an approved applied setting as part of their Ph.D. The Department of Psychology in collaboration with the [Media and Graphics Interdisciplinary Centre](#) offers an M.Sc. specialization in Human-Computer Interaction.

A brochure describing the psychology graduate program in more detail is available from the Department. The brochure provides detailed information concerning each of the areas of specialization. For a copy of the brochure, please contact the [graduate program secretary](#).

Contact Information

Department of Psychology
2136 West Mall
Vancouver, BC V6T 1Z4
Tel: 604-822-3144
Fax: 604-822-6923
Email: gradsec@psych.ubc.ca
Website: www.psych.ubc.ca/graduate.htm

Ms. Rose Tam, Graduate Secretary

Type of Action:

Added one assistant professor

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



setting. ~~All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.~~

Master of Arts

Admission Requirements

Admission to the M.A. program is restricted to those who intend to continue on to the Ph.D. Areas of specialization include behavioral neuroscience, clinical psychology, cognitive science, developmental psychology, forensic psychology, health psychology, personality and social psychology, and psychometrics. In addition, the Department offers an M.A. specialization in Human-Computer Interaction, in collaboration with the Media and Graphics Interdisciplinary Centre.

Program Requirements

Program requirements include coursework and a research thesis. Students are expected to be completed within two years.

Contact Information:

Department of Psychology
2136 West Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-3144

Fax: 604-822-6923

Email: gradsec@psych.ubc.ca

Web: www.psych.ubc.ca/graduate.htm

Rose Tam, Graduate Secretary



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Rehabilitation Sciences Degrees Offered: Ph.D. M.Sc. M.R.Sc. Members Professors Associate Professors Assistant Professors Program Overview There is a wealth of clinical rehab research opportunities at UBC. Faculty are currently engaged in research within major collaborative centres including the Brain Research Centre, the Centre for Hip Health, the International Collaboration on Repair Discoveries (ICORD), the Arthritis Research Centre, Vancouver Coastal Health Research Institute, and BC Women's and Children's Hospital, all of which offer students access to state of the art laboratories and collaborative research opportunities.	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,295 Present Calendar Entry: Degrees Offered <i>M.O.T., M.P.T., M.R.Sc., M.Sc.</i> <i>Ph.D.</i> Master of Occupational Therapy Occupational therapists provide specialized rehabilitation services to maintain, restore or improve the ability of children and adults to perform the occupations of daily life, which may be impaired as a result of illness, injury, congenital or acquired disabilities, or social disadvantage. Occupational therapists focus on adapting the environment or improving the person's skills, to enhance performance in the areas of self care (eating, dressing, personal hygiene), productivity (household work, employment, school), and leisure activities, thereby improving overall health and quality of life. The Master of Occupational Therapy degree provides the professional education necessary to obtain a license to practice occupational therapy. It differs from the advanced or research master's degree which prepares practitioners with advanced research skills and requires completion and defense of a thesis. Applicants must meet the admissions requirements of the Faculty of Graduate Studies,



Doctor of Philosophy

Admission Requirements

A thesis-based Master's degree in Rehabilitation Sciences, or other related fields of study along with appropriate undergraduate and graduate courses, are normally required for admission.

Students must contact one or more potential faculty supervisors to discuss their research interests prior to the application deadline. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Students entering the Ph.D. program will be required to spend a minimum of two terms of uninterrupted duration (8 months) in full-time status at the University. Appropriate coursework is selected in consultation with the student's committee. All students are required to complete a written and oral comprehensive examination after completion of program coursework. Following the comprehensive exam, the students present a formal thesis proposal for approval by the supervisory committee before proceeding to the research which will culminate in a final oral examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

The Master of Science (M.Sc.) program is designed to prepare individuals to conduct research independently and in collaboration with other scientists. Students will investigate an area of research relevant to rehabilitation through critical analysis of problems related to basic sciences, clinical practice, or to development of theory.

Minimum admission requirements include a degree in occupational therapy, physical therapy, or a related rehabilitation profession, an academic record which meets

and admission is offered on a competitive basis. The annual enrolment and class size is limited to 36 seats.

Requirements

Completion of a recognized baccalaureate degree in any field and the successful completion of the following prerequisites:

- Biological Sciences (3 credits)
- Social Sciences (3 credits)
- Behavioural Sciences (3 credits)
- Academic standing of a minimum B+ (76%) average in senior level courses (300 and 400 level)
- 70 volunteer hours or work experience with people with disabilities
- Three reference letters (two verifying volunteer hours and experience and one verifying the applicant's ability to succeed in a graduate program.) Forms to facilitate the reference letters will be provided.
- Residency: Primary consideration is given to residents of British Columbia. Out-of-province residents or international students will only be considered in special circumstances or in the event that there are not enough eligible BC applicants.
- English competency: Applicants who have completed a degree from a university outside Canada in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Master of Occupational Therapy program are:

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a. TOEFL (Test of English as a Foreign Language): a minimum score of 580 (paper version); 237 (computer version).

a.b. MELAB (Michigan English Language Assessment Battery) : a minimum overall score of 81



the requirements of the Faculty of Graduate Studies, and completion of a minimum of a 3 credit introductory course in research methods and/or analysis (equivalent to RHSC 402). Applicants from non-Canadian universities are required to provide general GRE (Graduate Record Examination) scores as part of their application. Preference will be given to applicants who hold degrees in occupational or physical therapy, are qualified to practice their rehabilitation profession in British Columbia, and who have had recent clinical experience providing rehabilitation care.

Program Requirements

The program may be pursued by full or part-time students. Full-time study would normally require approximately 24 months, including completion of the thesis. A minimum of 30 credits is required for the degree. This consists of 6 credits of required course work in the School of Rehabilitation Sciences at the 500-level, and a 12-credit thesis. Twelve elective credits are also required, and these may be selected from courses offered within the School or from other academic units. At least six of the elective credits must be at the 500-level or above.

The specific courses taken will depend on the area of research concentration chosen, in consultation with a research supervisor. Once accepted, each student must have a plan of studies approved by his/her research supervisor and/or the graduate co-ordinator.

Master of Rehabilitation Science

Admission Requirements

Applicants must meet the admissions requirements of the Faculty of Graduate Studies, and admission is offered on a competitive basis.

- Degree: Completion of a recognized 4 - year baccalaureate degree at an accredited academic institution.
- Prior Education and Experience: Applicants must be an occupational therapist, physical therapist or

b-c. IELTS (International English Language Testing Service): a minimum overall band score of 6.5 is required with a minimum score of 6.0 in each component of the academic (NOT general) IELTS test.

- Interview: Applicants who meet the above minimum requirements are eligible for interview consideration (verbal communication skill, maturity and personal suitability.) Fulfillment of the minimum requirements, however, does not guarantee an interview. Selection of interview candidates is based on the academic standing in the senior level courses.

The full-time Master of Occupational Therapy curriculum spans two calendar years and comprises six terms.

The Master of Occupational Therapy program includes the following courses:

(table removed, please see website)

Application for Admission

Persons interested in applying to the Master of Occupational Therapy program may call or write for application materials or use the [School of Rehabilitation Sciences website](#). Individuals interested in applying to the Master of Occupational Therapy program should complete and submit necessary forms and transcripts **no later than February 1** in the year of application to be eligible for beginning the course of study in late August.

Master of Physical Therapy

Physical therapists specialize in the assessment and treatment related to movement. Common movement disorders result from impairment of the neuromuscular, musculoskeletal, respiratory or cardiovascular systems. Following assessment of their clients, physical therapists often use physical agents such as therapeutic exercise, heat, cold, and electrical stimulation to increase muscle strength and function, reduce pain, promote general health and fitness, and prevent disability. As specialists in movement dysfunction, physical therapists also provide expertise in human mobility, carefully analyzing gait patterns and prescribing treatment regimens or devices (such as braces, crutches or wheelchairs) to enable clients to move



rehabilitation practitioner in a related health and human services discipline. At least three years of rehabilitation work experience will be an asset.

Program Requirements

Our Master of Rehabilitation Science (M.R.Sc.) is a 30-credit, non-thesis, online master's degree program. In addition to requiring the five graduate courses (15 credits) in the Graduate Certificate in Rehabilitation, learners in this advanced master's degree will complete other courses and a major project.

This master's degree program has been designed for occupational therapists, physical therapists and other health professionals with a baccalaureate degree who have already established their eligibility to practice in their discipline but want advanced knowledge to inform their practice.

Recommended: completion of an introductory course in Statistics.

Contact Information:

School of Rehabilitation Sciences
T325-2211 Wesbrook Mall
Vancouver, BC V6T 2B5

Tel: 604-822-7050

Fax: 604-822-7624

Email: rehab.admissions@ubc.ca

Web: www.rehab.ubc.ca

independently through their environments.

In many settings, therapists serve as members of a team of rehabilitation specialists, which may include physicians, nurses, social workers, special educators, speech pathologists and psychologists. Physical therapists work in hospitals, rehabilitation centres, psychiatric institutions, industrial facilities, government and voluntary health agencies, schools, extended care facilities, the client's home, or in private practice.

The Master of Physical Therapy degree provides the professional education necessary to obtain a license to practice physical therapy. It differs from the advanced or research master's degree which prepares practitioners with advanced research skills and requires completion and defense of a thesis.

Applicants must meet the admissions requirements of the Faculty of Graduate Studies, and admission is offered on a competitive basis. The annual enrolment and class size is limited to 36 seats.

Requirements

- Completion of a recognized baccalaureate degree in any field and the successful completion of the following prerequisites:
 - 1st year Biology (6 credits or equivalent)
 - 1st year Physics (3 credits or equivalent)
 - Chemistry 12 or higher
 - Basic Human Anatomy (3 credits or equivalent)
 - Psychology (3 credits or equivalent)
 - Statistics (3 credits or equivalent)
- Academic standing of a minimum B (72%) average in senior level courses (300 and 400 level)
- 70 volunteer hours or work experience with people with disabilities
- Three reference letters (two verifying volunteer hours and experience and one verifying the applicant's ability to



succeed in a graduate program.) Forms to facilitate the reference letters will be provided.

- Residency: Primary consideration is given to residents of British Columbia. Out-of-province residents or international students will only be considered in special circumstances or in the event that there are not enough eligible BC applicants.
- English competency: Applicants who have completed a degree from a university outside Canada in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Master of Physical Therapy program are:

~~a.~~ TOEFL (Test of English as a Foreign Language): a minimum score of 580 (paper version); 237 (computer version);

~~a-b.~~ MELAB (Michigan English Language Assessment Battery): a minimum overall score of 81;

~~b-c.~~ IELTS (International English Language Testing Service): a minimum overall band score of 6.5 is required with a minimum score of 6.0 in each component of the academic (NOT general) IELTS test.

Applicants who meet the above minimum requirements are eligible for interview consideration (verbal communication skill, maturity and personal suitability). Fulfillment of the minimum requirements, however, does not guarantee an interview. Selection of interview candidates is based on the academic standing in the senior level courses.

The full-time Master of Physical Therapy curriculum spans 2 years and 2 months in length and comprises seven terms.

The Master of Physical Therapy program includes the following courses:

(table removed, please see website)

Application for Admission



Persons interested in applying to the Master of Physical Therapy program may call or write for application materials or use the [School of Rehabilitation Sciences website](#). Individuals interested in applying to the Master of Physical Therapy program should complete and submit necessary forms and transcripts **no later than February 1** in the year of application to be eligible for beginning the course of study in late August.

Master of Rehabilitation Science (M.R.Sc.)

The advanced (post-entry-level), online, Master of Rehabilitation Science (M.R.Sc.) program is intended for qualified professionals who practice in rehabilitation settings. The program requires 30 credits of required and elective coursework that includes a major project, and successful completion of a comprehensive examination in which the ability to transfer cumulative knowledge to rehabilitation practice is assessed. The degree may be completed part-time or full-time within 5 years.

Graduate Certificate in Rehabilitation program students may be eligible to request transfer credits.

Admission Requirements

Applicants must meet the admissions requirements of the Faculty of Graduate Studies; admission is offered on a competitive basis.

Requirements

- Completion of a recognized 4 year baccalaureate degree at an accredited academic institution.
- Applicants must be an occupational therapist, physical therapist or rehabilitation practitioner in a related health and human services discipline.
- Academic standing of a minimum B+ (76%) average in senior level courses (300 and 400 level).
- Three reference letters (at least two of which should be written by an individual who has knowledge of the applicant's academic and/or research abilities).
- Submission of a Faculty of Graduate Studies Application Form (available through www.rehab.ubc.ca).
- Submission of a statement of intent the School of Rehabilitation Sciences.
- English competency. Applicants who have completed a degree in which English is not the primary language of instruction must present evidence of competency to pursue studies in the



English language prior to being extended an offer of admission.

Recommended: Completion of an introductory course in Statistics.

The School reviews applications twice a year, October 15 and June 30 for September and January cohorts respectively. If a quota is not met, further offers of admission will be considered following the deadlines.

For more information about the Master of Rehabilitation Science (M.R.Sc.) program and admission requirements and procedures please go to Online Master's on the [Rehabilitation Sciences website](#).

Master of Science

The Master of Science program is designed to prepare individuals to conduct research independently and in collaboration with other scientists. Students will investigate an area of knowledge within rehabilitation and develop skills that permit a critical analysis of problems which can be related to basic sciences, clinical practice, or to development of theory. Three major fields of study reflect the focus of research among faculty members: disability, rehabilitation and society, exercise sciences and rehabilitation, and neurorehabilitation and motor control.

The program may be pursued by full or part-time students. Full-time study would normally require approximately 24 months, including completion of the thesis. A minimum of 30 credits is required for the degree. This consists of 18 credits of required course work in the School of Rehabilitation Sciences at the 500-level, which includes a 12-credit thesis. Twelve elective credits are also required, and these may be selected from courses offered within the School or from other academic units. At least six of the elective credits must be at the 500-level or above.

The specific courses taken will depend on the area of research concentration chosen, in consultation with a research supervisor. Once accepted, each student must have a plan of studies approved by his/her research supervisor and/or the graduate co-ordinator.

Courses regularly offered in the School include RHSC 502 (Rehabilitation Theory), RHSC 504 (Directed Studies), RHSC 506 (Current Topics in Rehabilitation), RHSC 510 (Disability: Social, Economic and Political Influences), RHSC 515 (Exercise Physiology and Metabolism in Injury and Disease), and RHSC 520



(Neurorehabilitation). Courses regularly offered as part of the post-graduate certificate in Rehabilitation include: RHSC 501 (Evaluating Sources of Evidence), RHSC 503 (Reasoning & Decision Making), RHSC 507 (Developing Effective Rehabilitation Programs), RHSC 505 (Measurement in Practice), RHSC 509 (Featuring Learning in Rehabilitation Contexts). These courses are available as electives to qualified graduate students. For details, please refer to [the website](#).

Minimum admission requirements include a degree in occupational therapy, physical therapy, or a related rehabilitation profession, an academic record which meets the requirements of the Faculty of Graduate Studies, and completion of an introductory course in research methods and statistics (equivalent to RHSC 402). Applicants from non-Canadian universities are required to provide general GRE (Graduate Record Examination) scores as part of their application. Preference will be given to applicants who hold degrees in occupational or physical therapy, are qualified to practice their rehabilitation profession in British Columbia, and who have had recent clinical experience providing rehabilitation care.

Persons interested in applying to the program should request additional program and application information from the School of Rehabilitation Sciences.

Doctor of Philosophy

The School of Rehabilitation Sciences offers a program for advanced research study and original investigation in Rehabilitation Sciences at the Doctor of Philosophy (Ph.D.) level. This program is governed by the general requirements for the Doctor of Philosophy as described by the Faculty of Graduate Studies.

The program will focus on the discipline of Rehabilitation Sciences, the study of providing treatment and education to persons with temporary or permanent disability to return them to maximum function, well-being and personally-satisfying levels of independence.

A thesis-based master's degree in Rehabilitation Sciences, or in other related fields of study along with appropriate undergraduate and graduate courses, is normally required for admission. Appropriate coursework will be selected in consultation with the candidate's committee and will depend on the student's background and field of study. All candidates are required to complete a written and oral comprehensive examination after completion of all course work.



Following the comprehensive examination, the student will present a formal thesis proposal for approval by the candidate's committee before proceeding to the research which will culminate in a formal thesis defence. The major requirement of the Ph.D. is completion of a research thesis demonstrating ability to conduct significant and original scientific research.

Students entering the Ph.D. program will be required to spend a minimum of two terms of uninterrupted duration (8 months) in full-time status at the University.

Contact Information

School of Rehabilitation Sciences
T325-2211 Wesbrook Mall
Vancouver, BC V6T 2B5
Tel (M.O.T., M.P.T.): 604-822-7050
Tel (M.R.Sc., M.Sc., Ph.D.): 604-822-7765
Fax: 604-822-7624
Email (M.O.T., M.P.T.):
admissions@rehab.ubc.ca
Email (M.R.Sc., M.Sc., Ph.D.):
selander@interchange.ubc.ca
Website: www.rehab.ubc.ca

Ms. Pary Mohamed, Graduate Secretary
(M.O.T., M.P.T.)

Ms. Laura Selander, Graduate Secretary
(M.R.Sc., M.Sc., Ph.D.)

Type of Action:

Inserted program requirement for PhD and admission requirement for MRSc

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Religious Studies Degrees Offered: Ph.D. M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>The Religious Studies graduate program offers courses of instruction leading to both the Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.). Studies leading to the M.A. degree are offered in the following areas of concentration: Biblical Studies; Christian Thought and Institutions; History of Religions; Islamic Studies; Judaic Studies. The Ph.D. program at present provides training in Early Judaism, Christian Origins, and Religions of the Late Antique Mediterranean.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,217 Present Calendar Entry: Degrees Offered <i>M.A.</i> <i>Ph.D.</i> Classics and Classical Archaeology Master of Arts and Doctor of Philosophy <p>The thesis for the M.A. in Classics may be written in one of the following: Greek language and literature, Latin language and literature, Greek history, Roman history, Greek or Roman archaeology, or ancient philosophy.</p> <p>Major essays may be written in any of these fields by students following the M.A. program with comprehensive examinations. The comprehensive examinations may be weighted toward Greek or Latin studies without concentrating exclusively on either. Satisfactory knowledge of both Latin and Greek is required.</p> <p>The M.A. in classical archaeology is awarded for successful completion of 30 credits of course work, a major essay, and comprehensive examinations. Brochures describing the M.A. and Ph.D. programs are available from the</p>



Doctor of Philosophy

Admission Requirements

In addition to fulfilling the Faculty of Graduate Studies admission requirements, prerequisites for the Ph.D. include either (1) an M.A. in Religious Studies or equivalent, or (2) in exceptional cases, an honours B.A. with first-class standing and clear demonstration of advanced research ability.

For details on the prerequisites and the Graduate Regulations (including language prerequisites and requirements), see the program's {H|www.cnrs.ubc.ca/website}.

Program Requirements

The Doctor of Philosophy program consists of coursework, comprehensive examinations, and a research thesis. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Arts

Admission Requirements

In addition to fulfilling the Faculty of Graduate Studies admission requirements, prerequisites for the M.A. program include a Bachelor of Arts in Religious Studies or equivalent.

For details on the language prerequisites and requirements, see the program's {H|www.cnrs.ubc.ca/website}.

Program Requirements

There are two options for the Master of Arts.

Thesis-based option: This option requires 18 or 24 credits of coursework (no more than six credits at the 300- or 400-level) and a 12-credit or a six-credit thesis, for a total of 30 credits.

Course-based option: This option requires 30 credits of coursework, as well as comprehensive examination(s) and a major essay. Of the 30 credits, six credits may be at the 300- or 400-level, and 24 credits must be at the 500-level or above.

Department of Classical, Near Eastern, and Religious Studies.

Ancient Culture, Religion and Ethnicity in the Mediterranean and the Near East (ACRE)

Master of Arts

Applicants for admission must meet the minimum requirements of the Faculty of Graduate Studies. This program will involve a broad, multidisciplinary approach to the Ancient Mediterranean and Near Eastern worlds. Cross-cultural perspectives will be encouraged. This program will involve a broad, multidisciplinary approach to the Ancient Mediterranean and Near Eastern worlds. Cross-cultural perspectives will be encouraged.

To be admitted with full standing applicants must hold a bachelor's degree. This will normally be in Classics (Latin and Greek), Classical Studies (non-language program), or Near Eastern/Religious Studies, but could be in a related discipline (e.g. Anthropology, History, Philosophy, Political Science, etc.).

Well qualified and highly recommended applicants with the equivalent of a Minor (30 credits) in one of the above areas will be required to complete a further 12 credits during the first year of graduate study. Undergraduate courses taken to complete the Major do not count for credit towards the Master's degree.

Students who do not meet admission requirements may, in exceptional circumstances, and within the limits set down by the Faculty of Graduate Studies, be admitted as qualifying students until they obtain the necessary prerequisites for full admission.

Applicants must have completed at least 6 credits (or equivalent) in one of the classical languages prior to admission (minimum grade: B-/68%): GREK 100 (Introductory classical Greek) or GREK 125 (New Testament Greek) or LATN 100 (Introductory Latin) or HEBR 305 (Introductory Biblical Hebrew) or ARBC 300 (Introductory Classical Arabic). It is strongly recommended that applicants have completed two years of language study before entrance.

Religious Studies

Master of Arts



Contact Information:

Classical, Near Eastern & Religious Studies
Buchanan C260, 1866 Main Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-2515

Fax: 604-822-9431

Email: cnrs@interchange.ubc.ca

Web: www.cnrs.ubc.ca

Christine Dawson, Graduate Secretary

Advanced study in Religious Studies is offered in the Department of Classical, Near Eastern, and Religious Studies. Candidates may choose any one of the following areas of concentration: Biblical studies; Judaic studies; Christian thought and institutions; Islamic studies; history of religion. The candidate may select a program with thesis (30 credits in course work, including 12 credits for thesis) or without thesis (30 credits in course work, in addition to comprehensives and major essay). A competent reading knowledge of the appropriate languages must be acquired before writing the thesis or comprehensives and major essay.

Further information regarding the M.A. is available on application to the Department. Brochures describing the program in more detail are also available on request. For information regarding programs in Asian Religions consult the Asian Studies Department.

Contact Information

Department of Classical, Near Eastern and Religious Studies
BUCH C260
1866 Main Mall
Vancouver, BC V6T 1Z1
Tel: 604-822-2515
Fax: 604-822-9431
Email: crdawson@interchange.ubc.ca
Website: www.cnrs.ubc.ca

Ms. Christine Dawson, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



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UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Reproductive and Developmental Sciences Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>The goal of the Graduate Program in Reproductive and Developmental Sciences is to provide students with a broad knowledge of mammalian reproductive and developmental biology, as well as an in-depth expertise in at least one area of research, including reproductive and molecular endocrinology, immunology of reproduction, fertilization and early embryonic development, perinatal metabolism and fetal neonatal physiology. M.Sc. and Ph.D. programs of study are offered. Both programs involve coursework</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,297 Present Calendar Entry: Degrees Offered <i>M.Sc.</i> <i>Ph.D.</i> Master of Science and Doctor of Philosophy <p>The Department of Obstetrics and Gynaecology offers Master of Science and Ph.D. programs in Reproductive and Developmental Sciences. Areas of study are reproductive science, perinatal and/or developmental biology and gynaecologic oncology. The areas of research include: reproductive and placental endocrinology, cellular and molecular biology, immunology or reproduction, fertilization and embryonic development, perinatal metabolism, fetal and neonatal physiology. Prerequisites are BIOC 300; PHYL 301 or BIOL 353/363 or ANSC 320.</p> Contact Information <p>Department of Obstetrics and Gynaecology Room 2H30, 4500 Oak Street Vancouver, BC V6H 3N1 Tel: 604-875-3108 Fax: 604-875-2725 Email: rnair@cw.bc.ca</p>



and completion of a thesis based on research carried out by the student.

Website: www.obstgyn.ca

Ms. Roshni Nair, ~~Graduate Secretary~~Program Assistant

Doctor of Philosophy

Type of Action:
Edit Calendar entry.

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a master's degree in biological science or related area, or its academic equivalent (M.D., D.V.M., D.D.S.), with clear evidence of research ability or potential. Transfer from the Master's to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies. Exceptional students may be admitted directly to the Ph.D. program from the bachelor's level.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.

Program Requirements

The program will be developed from the courses offered in the Department of Obstetrics and Gynaecology or other departments at UBC. All students must successfully complete OBST 506. Additional coursework is selected in consultation with the student's supervisory committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a bachelor degree in biological science or related area, or its academic equivalent (M.D., D.V.M., D.D.S.), and must meet the general admission requirements for master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

The M.Sc. program consists of at least 30 credits including a thesis (OBST 549, 12



credits). The thesis is required to be submitted to and accepted by the Faculty of Graduate Studies. OBST 506 (Seminars in Reproductive Biology) must be taken by all students. Other courses will be determined by the M.Sc. Supervisory Committee to meet the student's academic requirements, as well as the requirements of the Faculty of Graduate Studies.

Contact Information:

Dept. of Obstetrics and Gynaecology
Room 2H30-4500 Oak St.
Vancouver, BC V6H 3N1

Tel: 604-875-3108

Fax: 604-875-2725

Email: rnair@cw.bc.ca

Web: www.obstgyn.ca

Roshni Nair, Program Assistant



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: 2

<p>Faculty: Arts Department: School of Library, Archival and Information Studies Faculty Approval Date:</p> <p>Effective Session: Winter Term: 1 Year: 06-07 for Change</p>	<p>Date: December 1, 2005 Contact Person: Heather MacNeil Phone: 604-822-6365 Email: hmacneil@interchange.ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>The Joint Degree Program is designed to allow students to earn both a Master of Archival Studies and a Master of Library and Information Studies within a reasonable period of time (generally between three and five years). Students considering this option should carefully read the descriptions, including the sections regarding undergraduate preparation for each of the two individual degrees. Students who wish to complete the Joint Degree Program should indicate this as early as possible, preferably on their application submitted to the School prior to admission, or following admission by speaking to a faculty advisor.</p> <p>Admission</p> <p>Prospective applicants may address enquiries and applications for admission to the Admissions Secretary, School of Library, Archival and Information Studies. Specify the Joint M.A.S./M.L.I.S Degree Program.</p> <p>The Joint Degree Program accepts only students whose personal and academic qualifications appear to make them suitable for successful</p>	<p>URL: http://students.ubc.ca/calendar/index.cfm?tree=12,208,368,0</p> <p>Present Calendar Entry:</p> <p>The Joint Degree Program is designed to allow students to earn both a Master of Archival Studies and a Master of Library and Information Studies within a reasonable period of time (generally between three and five years). Students considering this option should carefully read the descriptions, including the sections regarding undergraduate preparation for each of the two individual degrees. Students who wish to complete the Joint Degree Program should indicate this as early as possible, preferably on their application submitted to the School prior to admission, or following admission by speaking to a faculty advisor.</p> <p>Admission</p> <p>See information under <u>Master of Library and Information Studies</u> or <u>Master of Archival Studies</u> degree programs.</p>



practice in library, archival, and information professions.

The Joint Degree Program has a limited enrolment. The number of qualified applicants exceeds the number of available places. In recent years, therefore, those accepted have shown academic ability above the minimum required standard specified below.

Students who are applying for the Joint Degree Program must be admitted to both the M.L.I.S. and the M.A.S. programs. For admission to the M.L.I.S. program and the M.A.S. program, a candidate must:

1. possess a four-year bachelor's degree (or its equivalent) from a recognized university in a discipline acceptable to the Admissions Committee for the program;
2. have achieved a minimum overall average in the 'B+' range (76% at UBC) in third- and fourth-year level courses of a bachelor's degree; and
3. show promise of superior professional performance as attested by letters of reference and the SLAIS questionnaire.

Applicants to the program from international institutions will be considered on a case-by-case basis for eligibility. An applicant possessing a bachelor's degree or its academic equivalent who does not meet the requirements of point two above should contact the School's Student Services Coordinator for information regarding possible qualifying course work.

Language Requirement

See information under [Master of Library and Information Studies](#) or [Master of Archival Studies](#) degree programs.

Supervision

Candidates ~~meeting the admission standards above~~ [admitted to the Joint Degree program](#) will register in the School of Library, Archival and Information Studies and will be assigned an advisor from each of the two degree programs.

Degree Requirements

Language Requirement

See information under [Master of Library and Information Studies](#) or [Master of Archival Studies](#) degree programs.

Supervision

Candidates meeting the admission standards above will register in the School of Library, Archival and Information Studies and will be assigned an advisor from each of the two degree programs.

Degree Requirements

The two master's degrees, M.A.S. and M.L.I.S., are awarded on the completion of 81 credits of work approved by the School plus required non-credit studies such as the practicum in the M.L.I.S. program. Students must complete the following:

1. the required courses in the M.L.I.S. program: LIBR 500, 510, 540, 560, 570, 590, and two three-credit LIBR elective courses (21 credits);
2. the required courses in the M.A.S. program: ARST 510, 515, 516, 520, 530, 540, and 587 (21 credits);
3. either LIBR 500 or ARST 593B (3 credits);
4. 15 credits in the M.L.I.S. program;
5. 15 credits in the M.A.S. program; and,
6. 6 additional credits in either program.

Students in the two degrees should not take courses outside those offered in the M.A.S.



~~The two master's degrees, M.A.S. and M.L.I.S., are awarded on the completion of 81 credits of work approved by the School plus required non-credit studies such as the practicum in the M.L.I.S. program. Students must complete the following:~~

- ~~1. the required courses in the M.L.I.S. program: LIBR 500, 501, 502, 503, 504, 505, and two three-credit LIBR elective courses (24 credits);~~
- ~~2. the required courses in the M.A.S. program: ARST 510, 515, 516, 520, 530, 540, 587, and 593B (24 credits);~~
- ~~3. students may take either LIBR 500 or ARST 593B, students may not take both;~~
- ~~4. students may take either LIBR 505 or ARST 591 (3 credits), students may not take both;~~
- ~~5. 15 credits in the M.L.I.S. program;~~
- ~~6. 15 credits in the M.A.S. program; and,~~
- ~~7. 6 additional credits in either program.~~

~~Students in the two degrees cannot take courses outside those offered in the M.A.S. and M.L.I.S. programs.~~

Degree Requirements

The two master's degrees, M.A.S. and M.L.I.S., are awarded on the completion of a total of 81 credits of work approved by the School. Students must complete the following:

A total of 81 combined ARST and LIBR credits (39 ARST credits; 39 LIBR credits, and 3 additional credits that can be either

and M.L.I.S. programs.

Practicum/Internship

A required non-credit practicum provides direct library experience under actual library operating conditions. In addition, some field experience in an archival repository is highly desirable for a student who has had limited prior contact with the work of the practicing archivist. These two work experiences will be scheduled in consultation with the student's advisors.

Co-operative Work Program

Students who have completed 24 credits of course work are eligible to apply to the School's co-op work program. Applications are submitted in September, and the work period begins in May of the following year. Depending on their needs, students may elect to take a term of work lasting either four months (May - August) or eight months (May - December), or do two consecutive four-month terms (May - August and September - December). Students are paid for their work according to industry standards. Students do not receive academic credit for their work, but participation in the co-op work program is noted on transcripts.

Thesis

A student with research interests may elect to write a thesis in one of the two fields, but not both. Consultation with the appropriate faculty advisor should begin before the student has completed one-half of the required courses.

Type of Action:

Change in program requirements

Rationale:

Course numbers have been changed for the LIBR courses. The proposed Calendar



<p>ARST or LIBR).</p> <p>Within the total of 81 credits, each student must take:</p> <p>ARST 510, ARST 515, ARST 516, ARST 520, ARST 530, and ARST 540 (3 credits each for a total of 18 credits)</p> <p>LIBR 501, LIBR 502, LIBR 503 (3 credits each for a total of 9 credits)</p> <p>LIBR 595 (0 credits)</p> <p>Either ARST 593B or LIBR 500 (3 credits; students cannot take both)</p> <p>Either ARST 591 or LIBR 505 (3 credits; students cannot take both)</p> <p>Either ARST 570 or LIBR 504 (3 credits; students cannot take both)</p> <p>Either ARST 587 or LIBR 587 (3 credits; students cannot take both)</p> <p>Students cannot take courses other than those designated as ARST or LIBR.</p> <p>Practicum/Internship</p> <p>A required non-credit practicum provides direct library experience under actual library operating conditions. In addition, some field experience in an archival repository is highly desirable for a student who has had limited prior contact with the work of the practicing archivist. These two work experiences will be scheduled in consultation with the student's advisors SLAIS Student Services Coordinator.</p> <p>Co-operative Work Program</p> <p>Students who have completed 24 credits of course work are eligible to apply to the School's co-op work program. Applications</p>	<p>change shows the new numbers.</p>
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are submitted in September, and the work period begins in May of the following year. Depending on their needs, students may elect to take a term of work lasting either four months (May - August) or eight months (May - December), or do two consecutive four-month terms (May - August and September - December). Students are paid for their work according to industry standards. Students do not receive academic credit for their work, but participation in the co-op work program is noted on transcripts.

Thesis

A student with research interests may elect to write a thesis in one of the two fields, but not both. Consultation with the appropriate faculty advisor should begin before the student has completed one-half of the required courses.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Science Education Degrees Offered: M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate degree programs (M.Ed. and M.A.) in Science Education are part of the graduate offerings in the Department of Curriculum Studies. Students can pursue a wide variety of research and professional interests in all areas of science education at both elementary and secondary levels. Students can also pursue studies in education within other learning contexts such as museums and community settings.</p> <p>Part-time and full-time study options are offered.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,229 Present Calendar Entry: Doctor of Education, Doctor of Philosophy, Master of Education, Master of Educational Technology and Master of Arts <p>Graduate programs in education are offered by various units in the Faculty of Education, as well as by the Faculty as a whole:</p> <ul style="list-style-type: none"> ▪ The Department of Curriculum Studies offers graduate programs in art education, business education, home economics education, mathematics education, music education, physical and health education, science education, social studies education, technology studies education, and curriculum studies. ▪ The Department of Educational and Counselling Psychology, and Special Education offers graduate programs in counselling psychology; educational psychology; human learning, development and instruction; measurement, evaluation and research methodology; school psychology; and special education. ▪ The Department of Educational Studies offers graduate programs in adult education, educational administration,



Master of Arts

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the program normally requires:

1. eighteen credits of senior-upper level coursework or a professional concentration in the area of interest; and
2. two years of teaching experience or other relevant professional experience.

Program Requirements

The program consists of 30 credits. At least 15 credits of coursework must be 500-level or above. A maximum of six credits may be taken at the 300- or 400-level. A thesis, normally nine credits, is included.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (e.g. thesis).

Master of Education

Admission Requirements

Same as M.A.

Program Requirements

The program consists of a minimum of 30 credits; of which at least 24 credits must be courses numbered at the 500- level. A maximum of six credits may be taken at the 300- or 400-level. Students select either a program consisting entirely of courses (30 credits) or 27 credits of coursework plus a graduating project (three credits).

For B.C. teachers: Teacher Qualification Service requires a capstone experience (e.g. graduating project).

Contact Information:

Department of Curriculum Studies
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5367

Fax: 604-822-4717

Email: cust.grad@ubc.ca

Web: www.cust.educ.ubc.ca

higher education, history of education, philosophy of education, sociology of education, educational studies and educational leadership and policy.

- The Department of Language and Literacy Education offers graduate programs in English as a second language literacy education, modern languages education and teacher librarianship.
- The Centre for Cross-Faculty Inquiry in Education offers graduate programming focused on themes that reflect interests from across the Faculty of Education.
- The Faculty of Education offers a joint online degree program in partnership with Tec de Monterrey, a Mexican university that specializes in online education. It provides students with an opportunity to participate with a culturally diverse student population.

Where appropriate, joint programs, which involve collaboration among the areas listed above, or which involve an area outside the Faculty of Education, can be arranged. For information on Graduate Certificates and Off-Campus Graduate work see [Graduate Programs](#) under the Faculty of Education section in this Calendar.

Master's Degrees

Students seeking entry to the Master of Arts (M.A.) in Education and the Master of Educational Technology (M.E.T.) programs should consult the individual program or unit for information regarding specific admission requirements. These are also outlined in the individual websites listed below:

- [Dept. of Curriculum Studies](#)
- [Dept. of Educational & Counselling Psychology, and Special Education](#)
- [Counselling Psychology Program](#)
- [Dept. of Educational Studies](#)
- [Dept. of Language and Literacy Education](#)
- [School of Human Kinetics](#)
- [Centre for Cross-Faculty Inquiry in Education](#)



Basia Zurek, Graduate Secretary

▪ **[Master of Educational Technology](#)**

For information on off-campus graduate work please [email](#) or phone 604-822-2013.

Contact Information

General information on graduate programs in education may be obtained from the Office of Graduate Programs and Research.

Faculty of Education
2125 Main Mall, Room 2601
Vancouver, BC V6T 1Z4
Tel: 604-822-5512
Fax: 604-822-8971
Email: ogpr@interchange.ubc.ca

Prospective applicants are encouraged to visit the [Education Graduate Programs website](#).

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Social Studies Education Degrees Offered: M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate degree programs (M.A. and M.Ed.) in Social Studies Education are part of the graduate offerings in the Department of Curriculum Studies. Each student devises plans a program of relevant course work in consultation with his or her faculty advisor. Our programs of study are individually designed to match the interests and needs of the busy professional teacher, program administrator, social studies curriculum specialist and scholar researcher.</p> <p>Our master's programs offer flexibility depending upon student needs and desires. Full-time or part-time studies focusing on professional development and/or research</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,230 Present Calendar Entry: Degrees Offered <i>M.A., M.Ed.</i> <i>Ph.D.</i> Doctor of Philosophy <p>The Department of Educational and Counselling Psychology, and Special Education offers programs of study leading to Ph.D. degrees in the following areas:</p> <ul style="list-style-type: none"> ▪ Counselling Psychology ▪ Human Learning, Development, and Instruction ▪ Measurement, Evaluation, and Research Methodology ▪ School Psychology ▪ Special Education <p>The Ph.D. in the Counselling Psychology program is accredited by the Canadian Psychological Association (CPA) and American Psychological Association (APA).</p> <p>Academic performance is not the sole criterion for promotion to graduation or continuation in programs in the Department of Educational and Counselling Psychology, and Special Education.</p>



are available. Core courses focus on research methods, principles of social studies education, and curriculum studies.

Part-time and full-time study options are offered.

Master of Arts

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the program normally requires:

1. eighteen credits of ~~senior-upper level~~ coursework or a professional concentration in the area of interest; and
2. two years of teaching experience or other relevant professional experience.

Program Requirements

The program consists of 30 credits. At least 15 credits ~~of coursework~~ must be ~~at~~ 500-level or above. A maximum of six credits may be taken at the 300- or 400-level. A thesis, normally nine credits, is included.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (e.g. thesis).

Master of Education

Admission Requirements

Same as M.A.

Program Requirements

The program consists of a minimum of 30 credits; ~~at least, of which~~ 24 ~~credits of~~ ~~the~~ ~~500-~~ ~~level~~ ~~or above~~ must be courses ~~numbered at~~ 500-level ~~or above~~. A maximum of six credits may be taken at the 300- or 400-level. Students select either a program consisting entirely of courses (30 credits) or 27 credits of coursework plus a graduating project (three credits).

For B.C. teachers: Teacher Qualification Service requires a capstone experience (e.g. graduating project).

Contact Information:

All program areas also require that candidates demonstrate interpersonal and ethical qualities commensurate with working in educational or counselling settings.

Master of Arts and Master of Education

The Department offers programs of study leading to master's degrees in the following areas:

- Counselling Psychology (CNPS): M.A. and M.Ed.
- Human Learning, Development and Instruction (HLDI): M.A. and M.Ed.
- Measurement, Evaluation and Research Methodology (MERM): M.A. and M.Ed.
- School Psychology (SCPS): M.A. and M.Ed.

Master's degrees in Counselling Psychology are available in the following programs accredited by the Council for the Accreditation of Counselling and Related Educational Programs: Community Counselling, Counselling in Higher Education, and School Counselling.

Master's degrees in Special Education are available with concentrations in General Special Education, Autism/Developmental Disabilities, Behaviour Disorders, Education of the Blind/Visually Impaired, Education of the Deaf/Hard of Hearing, High Ability, and Learning Disabilities.

A combined Special Education and Educational Administration program is offered and a combined Ts'Kel and Special Education program is also available to First Nations students and other interested in First Nations education.

With the exception of School Psychology, all master's programs in the Department are available on a full-time or part-time basis.

Additional information about the master's programs is provided in the brochures related to the area of specialization.

Academic performance is not the sole criterion for promotion to graduation or continuation in programs in the Department. All program areas also require that candidates demonstrate interpersonal and ethical qualities commensurate with working in educational or counselling settings.



Department of Curriculum Studies
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5367

Fax: 604-822-4717

Email: cust.grad@ubc.ca

Web: www.cust.educ.ubc.ca

Basia Zurek, Graduate Secretary

Please refer to [Education](#) for information on general admission requirements.

Prospective applicants are encouraged to visit the [Educational and Counselling Psychology, and Special Education website](#).

Course descriptions for Counselling Psychology courses are listed with the CNPS subject code in the course description section of this Calendar. Courses for all other program areas are listed with the EPSE subject code.

Contact Information

Department of Educational and Counselling Psychology, and Special Education
Faculty of Education
2125 Main Mall
Vancouver, BC V6T 1Z4
Tel: 604-822-5351
TDD: 604-822-8229
Fax: 604-822-3302
Email: lynda.mcdicken@ubc.ca
Website: www.ecps.educ.ubc.ca

Tel (Counselling Psychology): 604-822-6371
Fax (Counselling Psychology): 604-822-2328
Email (Counselling Psychology):
karen.yan@ubc.ca

Ms. Lynda McDicken, Graduate Program Assistant, ECPS
Ms. Karen Yan, Graduate Secretary, Counselling Psychology

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Soil Science Degrees Offered: Ph.D. M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <p>Soil Science offers opportunities for advanced study and research leading to M.Sc. and Ph.D. degrees in the areas of soil microbial ecology, organic matter, soil physics, irrigation and drainage, biometeorology, soil pollution, soil and water conservation, soil management and land use, with application to forest, agricultural, urban and range soils. Graduate training in Soil Science normally involves a combination of courses in both basic and applied sciences, with research leading to the completion of a thesis, preferably manuscript-based. Students are expected to publish their research results in leading refereed journals.</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,303 Present Calendar Entry: Degrees Offered <i>M.Sc.</i> <i>Ph.D.</i> Master of Science and Doctor of Philosophy <p>Soil Science offers opportunities for advanced study and research leading to M.Sc. and Ph.D. degrees in the areas of soil chemistry and mineralogy, soil organic matter, soil physics, biometeorology, soil pollution, soil and water conservation, soil genesis and classification, land use and land classification, forest soils, soil fertility, soil biology and remote sensing. Graduate training in Soil Science normally involves a combination of courses in both basic and applied sciences, with research leading to the completion of a thesis. Students are expected to publish their research results in leading refereed journals.</p> <p>The program is enriched through collaboration with colleagues in other graduate programs such as Forestry, Geography, Plant Science, Institute for Resources and Environment, and Landscape Architecture; and in agencies such as Environment Canada, Canadian Forest Service, Agriculture, Agri-Food Canada, Forest Renewal BC, and various provincial government agencies.</p> <p>Coursework selected in consultation with the</p>



The Soil Sciences programs are enriched through collaboration with colleagues in other graduate programs such as Forestry, Geography, Plant Science, Institute for Resources and Environment, Integrated Studies in Land and Food Systems and Landscape Architecture; and in agencies such as Environment Canada, Canadian Forest Service, Agriculture and Agri-Food Canada, BC Ministry of Forests and Range, and other provincial, municipal and regional government agencies.

Research facilities are housed both within the MacMillan and Forest Sciences Buildings and, on a shared basis, in other buildings on campus. Research facilities within the MacMillan Building include various modern analytical laboratories and other equipment for conducting chemical and biometeorological research, while excellent facilities for soil biological research are located in the Forest Sciences Centre.

Doctor of Philosophy

Admission Requirements

Students admitted to the Ph.D. degree program normally possess a M.Sc. degree in Soil Science or a related area, with clear evidence of research ability or potential. Transfer from the M.Sc. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

Appropriate coursework may be selected in consultation with the student's supervisory committee. All doctoral students are required to successfully complete a comprehensive examination. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.

Master of Science

Admission Requirements

Students admitted to the M.Sc. degree program normally possess a four-year B.Sc. degree in Soil Science or a related area, and must meet the general admission requirements for Master's degree programs set by the Faculty of Graduate Studies.

Program Requirements

student's supervisory committee includes graduate courses in soil science and from other areas relevant to each student's research.

Research facilities are housed both within the MacMillan Building and, on a shared basis, in other buildings on campus. Within the MacMillan Building, the research facilities include various modern analytical laboratories and other equipment for conducting biochemical and biometeorological research, and computers for conducting qualitative data analysis.

Contact Information

Faculty of Agricultural Sciences
270-2357 Main Mall
Vancouver, BC V6T 1Z4
Tel: 604-822-4593
Fax: 604-822-4400
Email: gradapp@interchange.ubc.ca
Website: www.agsci.ubc.ca/grad

Ms. Alina Yuhymets, Graduate Programs Manager

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



The program consists of a minimum of 30 credits of course work selected in consultation with the student's supervisory committee and includes graduate courses in soil science and other areas relevant to each student's research. At least 24 credits must be at the 500-level or above.

~~Coursework selected in consultation with the student's supervisory committee includes graduate courses in soil science and from other areas relevant to each student's research. Completion of the M.Sc. program requires a minimum of 18 credits of course work plus 12 credits of thesis research.~~

Contact Information:

Graduate Programs Manager
Faculty of Land and Food Systems
270-2357 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-4593

Fax: 604-822-4400

Email: gradapp@interchange.ubc.ca

Web:

http://www.landfood.ubc.ca/programs/soil_sc_grad.htm

Alina Yukhymets, Graduate Programs
Manager



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Education Department: ECPS Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Special Education Degrees Offered: Ph.D. M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The Special Education area concerns the habilitation and education of students with exceptionalities, such as students with visual impairments, physical disabilities, emotional or behavioural disorders, learning disabilities, and developmental disabilities and students who are deaf or hard of hearing. The program also includes a focus on gifted and talented students. The master's programs focus on both research and practice. <u>The M.A. is a research degree, appropriate preparation for doctoral studies and incorporates a research thesis. The M. Ed. provides advanced professional preparation in areas of Special Education practice.</u> Topics addressed in the master's programs include cognitive, language and social development, learning and instructional</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,230 Present Calendar Entry: Degrees Offered <i>M.A., M.Ed.</i> <i>Ph.D.</i> Doctor of Philosophy <p>The Department of Educational and Counselling Psychology, and Special Education offers programs of study leading to Ph.D. degrees in the following areas:</p> <ul style="list-style-type: none"> ▪ Counselling Psychology ▪ Human Learning, Development, and Instruction ▪ Measurement, Evaluation, and Research Methodology ▪ School Psychology ▪ Special Education <p>The Ph.D. in the Counselling Psychology program is accredited by the Canadian Psychological Association (CPA) and American Psychological Association (APA).</p> <p>Academic performance is not the sole criterion for promotion to graduation or continuation in programs in the Department of Educational and Counselling Psychology, and Special Education.</p>



design, and cultural and individual differences in relation to exceptional students.

UBC does NOT offer an undergraduate degree in special education; the undergraduate courses in special education are open to students enrolled in the regular B.Ed. program or in one of the following post-B.Ed. special education programs: (a) Diploma, (b) Master of Education (M.Ed), (c) Master of Arts (M.A.).

Doctor of Philosophy

Admission Requirements

Typically, doctoral students in Special Education enter with extensive practical experience as general or special education teachers, school administrators, speech-language pathologists, school psychologists, or related professions.

~~Graduates are prepared to assume leadership roles in a wide variety of educational, academic, community, private practice, and research settings. The Ph.D. program of studies in special education is developed for each student to reflect program requirements as well as individual student professional and academic preparation and student career goals.~~ Doctoral ~~training education~~ follows the scientist-practitioner model, with preparation in both research and professional skills.

Program Requirements

~~Graduates are prepared to assume leadership roles in a wide variety of educational, academic, community, private practice, and research settings. The Ph.D. program of studies in special education is developed for each student to reflect program requirements as well as individual student professional and academic preparation and student career goals.~~

All SPED Doctoral students are required to participate in a department-wide Doctoral Seminar (EPSE 601A and B) over two terms; develop competence in at least two research methodologies; complete comprehensive examinations; and complete coursework that is determined on an individual basis. **The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements.**

Master of Arts

All program areas also require that candidates demonstrate interpersonal and ethical qualities commensurate with working in educational or counselling settings.

Master of Arts and Master of Education

The Department offers programs of study leading to master's degrees in the following areas:

- Counselling Psychology (CNPS): M.A. and M.Ed.
- Human Learning, Development and Instruction (HLDI): M.A. and M.Ed.
- Measurement, Evaluation and Research Methodology (MERM): M.A. and M.Ed.
- School Psychology (SCPS): M.A. and M.Ed.

Master's degrees in Counselling Psychology are available in the following programs accredited by the Council for the Accreditation of Counselling and Related Educational Programs: Community Counselling, Counselling in Higher Education, and School Counselling.

Master's degrees in Special Education are available with concentrations in General Special Education, Autism/Developmental Disabilities, Behaviour Disorders, Education of the Blind/Visually Impaired, Education of the Deaf/Hard of Hearing, High Ability, and Learning Disabilities.

A combined Special Education and Educational Administration program is offered and a combined Ts'Kel and Special Education program is also available to First Nations students and other interested in First Nations education.

With the exception of School Psychology, all master's programs in the Department are available on a full-time or part-time basis.

Additional information about the master's programs is provided in the brochures related to the area of specialization.

Academic performance is not the sole criterion for promotion to graduation or continuation in programs in the Department. All program areas also require that candidates demonstrate interpersonal and ethical qualities commensurate with working in educational or counselling settings.



Admission Requirements

Applicants must meet the minimum requirements established by the Faculty of Graduate Studies. Applicants require completion of Admission is granted to those applicants who have completed EPSE 312 (Introduction to the Study of Exceptional Children) or EPSE 317 (Development and Exceptionality in the Regular Classroom), EPSE 482, Introduction to Statistics for Research in Education (or equivalent), [11]EPSE 481 (Introduction to Research in Education) (or equivalent) and have attained teacher certification. Applicants with equivalent academic preparation will be considered. The requirement of teacher certification may be waived where the applicant has met the University and ECPS Program requirements for admission and has adequate professional experience related to the field of Special Education.

Program Requirements

Students completing a Master of Arts degree in Special Education can choose courses in the following concentrations:

- General Special Education
- Autism/Developmental Disabilities Concentration
- Behaviour Disorders Concentration
- Blindness and Visual Impairment Concentration
- High Ability Concentration
- Learning Disabilities Concentration

~~Most~~ M.A. concentrations require the completion of a minimum of 30 credits, including coursework (24 credits) and thesis (6 credits). The Blindness and Visual Impairment Concentration requires 54 credits (48 credits coursework, 6 credits thesis) and the Education for Deaf and Hard of Hearing Concentration, 56 credits (50 credits coursework, 6 credits thesis).

Students who intend to apply to a Ph.D. program on completion of the M.A. should include EPSE 528 and EPSE 596 in their program.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (e.g. thesis).

Master of Education

Please refer to [Education](#) for information on general admission requirements.

Prospective applicants are encouraged to visit the [Educational and Counselling Psychology, and Special Education website](#).

Course descriptions for Counselling Psychology courses are listed with the CNPS subject code in the course description section of this Calendar. Courses for all other program areas are listed with the EPSE subject code.

Contact Information

Department of Educational and Counselling Psychology, and Special Education
Faculty of Education
2125 Main Mall
Vancouver, BC V6T 1Z4
Tel: 604-822-5351
TDD: 604-822-8229
Fax: 604-822-3302
Email: lynda.mcdicken@ubc.ca
Website: www.ecps.educ.ubc.ca

Tel (Counselling Psychology): 604-822-6371
Fax (Counselling Psychology): 604-822-2328
Email (Counselling Psychology):
karen.yan@ubc.ca

Ms. Lynda McDicken, Graduate Program Assistant, ECPS
Ms. Karen Yan, Graduate Secretary, Counselling Psychology

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Admission Requirements

Admission is granted to those applicants who have completed EPSE 312 (Introduction to the Study of Exceptional Children) or EPSE 317 (Development and Exceptionality in the Regular Classroom), EPSE 483, Statistics in Education (or [equivalent](#)), and have attained teacher certification. The requirement of teacher certification may be waived where the applicant has met the University and ECPS program requirements for admission and has adequate professional experience related to the field of Special Education.

Program Requirements

Students completing a Master of Education degree in Special Education can choose courses in the following concentrations:

- General Special Education
- Autism/Developmental Disabilities Concentration
- Behaviour Disorders Concentration
- Blindness and Visual Impairment Concentration
- Education for Deaf and Hard of Hearing Concentration
- High Ability Concentration
- Joint Program in Special Education and Educational Administration
- Learning Disabilities Concentration

~~Most~~ concentrations require the completion of a minimum of 30 credits. The Blindness and Visual Impairment Concentration requires 45 credits and the Education for Deaf and Hard of Hearing Concentration, 47 credits. Credits include the graduating seminar at the end of the student's program in which a professional portfolio is completed.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (e.g. thesis).

Contact Information:

Department of Educational and Counselling Psychology, and Special Education
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5351

Fax: 604-822-3302

Email: ecps.gradinfo@ubc.ca



Web: www.ecps.educ.ubc.ca

Lynda McDicken, Graduate Program
Assistant

[11]BILL – in the meeting we decided to take out the ‘or equivalent’ statements. I notice that they are hyperlinked, do you still want them taken out?



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Surgery Degrees Offered: M.Sc. Members Professors Associate Professors Assistant Professors Program Overview <u>The Department of Surgery offers opportunities and facilities for full-time study leading to the Master of Science in Surgery.</u> Master of Science Admission Requirements Applicants must satisfy the admission requirements of the Faculty of Graduate Studies as well as those required by the Surgery's Graduate Studies Committee[1]. Prerequisites for application are an M.D., M.B., D.M.D., D.V.M. or equivalent.	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,306 Present Calendar Entry: Degrees Offered <i>M.Sc.</i> Master of Science The Department of Surgery offers opportunities and facilities for full-time study leading to the Master of Science in Surgery. Applicants must satisfy the normal admission requirements of the Faculty of Graduate Studies and must be acceptable to the Department of Surgery's Graduate Studies Committee. Prerequisites for application are an M.D., M.B., D.M.D., D.V.M. or equivalent. A candidate's program will be determined by the program director in consultation with the candidate's supervisor. A supervisory committee will be chosen to represent the area of specialization elected by the candidate. The Master of Science program consists of an 18-credit thesis (SURG 549) plus 12 credits of course work to give a total of 30 credits. Twelve credits of course work must be at the 500 level, of which 8 credits should be from the Department of Surgery courses numbered 502 to 548. The candidate, with the advice of the committee, may select other approved courses in related fields. Further information may be obtained from the M.Sc. program director in the Department of Surgery. Contact Information



Program Requirements

~~The Department of Surgery offers opportunities and facilities for full-time study leading to the Master of Science in Surgery.~~

A student's program will be determined by the program director in consultation with the student's supervisor. A supervisory committee will be chosen to represent the area of specialization elected by the candidate. The Master of Science program consists of an 18-credit thesis (SURG 549) plus 12 credits of coursework to give a total of 30 credits. Twelve credits of coursework must be at the 500-level, of which eight credits should be from the Department of Surgery courses numbered 502 to 548. The student, with the advice of the committee, may select other approved courses in related fields. Further information may be obtained from the M.Sc. program director in the Department of Surgery.

Contact Information:

Department of Surgery
910 W. 10th Avenue, 3rd Floor
Vancouver, BC V5Z 4E3

Tel: 604-875-5355

Fax: 604-875-4036

Email: jclifton@interchange.ubc.ca

Web: www.surgery.ubc.ca

Joanne Clifton, M.Sc., Research Associate

Department of Surgery
910 W. 10th Avenue, 3rd Floor
Vancouver, BC V5Z 4E3
Tel: 604-875-5355
Fax: 604-875-4036
Email: jclifton@interchange.ubc.ca
Website: www.surgery.ubc.ca

Ms. Joanne Clifton, Research Associate

Type of Action:
Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.

[11] We wanted to link this to the admissions requirements but it doesn't seem that they have them laid out very clearly on their website.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Teacher Librarianship Degrees Offered: M.A. M.Ed. (for Ph.D. see Language and Literacy Education) Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate program in Teacher Librarianship (LIBE) is part of the graduate offerings in the Department of Language and Literacy Education. The program focuses on school library organization and management, cooperative program planning, and information literacy.</p> <p>Students who would like to undertake a Ph.D. specializing in Teacher Librarianship can do so through the graduate program in {I 11312 Language and Literacy Education}.</p> <p>Full-time and part-time study options are</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,264 Present Calendar Entry: Degrees Offered <p><i>M.A., M.Ed.</i> <i>Ph.D.</i></p> Program Overview <p>The Department of Language and Literacy Education offers programs and courses leading to the Master of Education and Master of Arts under the heading of Language and Literacy Education (LLED), which incorporates those listed previously under English Education (ENED), Teaching English as a Second Language (TESL), Reading Education (READ), Language Education (LANE), and Modern Language Education (MLED). The Department also offers programs of study leading to the Master of Education and Master of Arts under the heading of Teacher Librarianship (LIBE) and a Ph.D. in Language and Literacy Education (LLED) with a focus in the Department's areas of specialization.</p> <p>The Department of Language and Literacy Education includes scholars in a comprehensive range of language and literacy-education related fields. These fields relate to the teaching of the following subjects:</p> <ul style="list-style-type: none"> English as a Second Language (TESL) - TESL methods, applied linguistics, UBC/Ritsumeikan Joint Academic



offered.

Master of Arts

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the program normally requires:

1. eighteen credits of upper level senior coursework or a professional concentration in the area of interest;
2. two years of teaching experience or other relevant professional experience.

Program Requirements

The program consists of 30 credits including a thesis, normally nine credits. At least 15 credits of coursework must be at 500-level or above. A maximum of six credits may be taken at the 300- or 400-level. A thesis, normally nine credits, is included.

For B.C. teachers: Teacher Qualification Service requires a capstone experience (thesis).

Master of Education

Admission Requirements

Same as M.A.

M.Ed. program consists of a minimum of 30 credits, of which at least 24 credits of coursework must be courses numbered at the 500-level or above. A maximum of six credits may be taken at the 300- or 400-level. Students select either a program consisting entirely of courses (for example, ten 3-credit courses) or 27 credits of coursework plus a graduating project (3 credits).

For B.C. teachers: Teacher Qualification Service requires a capstone experience (graduating project).

Contact Information:

Department of Language and Literacy
Education
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-8259

Exchange Program

- Literacy Education (LITR) - composition, early literacy, developmental reading, clinical methods, content areas, drama, adult literacy, family literacy, literature, oral language, poetry
- Teacher Librarianship (LIBE) - co-operative program planning, school library organization and management, school library automation
- Modern Languages (MLED) - French Immersion, French as a First and Second Language, Asia Pacific language and curriculum study, and other modern languages).

The Department of Language and Literacy Education is committed to excellence in scholarship, teaching, and professional leadership and is responsive to Canada's multicultural, multilingual context. Its goal is to advance the study of language learning, and the teaching and learning of language, literacy, and literature in their broadest frames of reference.

Graduate courses in research in the various subject matter fields as well as departmental doctoral seminars are offered on a rotating basis. Department members are actively involved with graduate students in local, provincial, national and international research. A complete listing of individual faculty research interests may be found in the Department's *Handbook On Graduate Admissions, Program Planning and Supervision*, which is available upon request, or on the [LLED website](#). While part-time students are accepted, preference is given to full-time students in M.A. and doctoral programs. A limited number of teaching assistantships and research assistantships are available to exceptionally qualified students.

The Department of Language and Literacy Education operates a state-of-the-art computer integrated language laboratory in [UBC/Ritsumeikan House](#), and a Language Education Research Centre, in Ponderosa Annex F, with multimedia facilities, special book collections, and language and literacy education curriculum materials. Video production facilities are also available for faculty and graduate students.

Please refer to [Education](#) under Faculty of Graduate Studies, Programs, for information on general admission requirements.

Contact Information



Fax: 604-822-3154

Email: anne.eastham@ubc.ca

Web: www.lled.educ.ubc.ca

Anne Eastham, Graduate Programs
Assistant

Department of Language and Literacy Education
2125 Main Mall
Vancouver, BC, V6T 1Z4
Tel: 604-822-5788
Fax: 604-822-3154
Email: eastham@interchange.ubc.ca
Website: www.lled.educ.ubc.ca

Ms. Anne Eastham, Graduate Programs
Assistant

Type of Action:
Edit Calendar entry.

Rationale:

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Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Teaching English as a Second Language Degrees Offered: Ph.D. M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>Teaching English as a Second Language (TESL) examines the social, linguistic, educational, cognitive, cultural and political processes affecting the teaching, learning, assessment, and use of English as an additional language locally and globally. The program Faculty have expertise in TESL methods, applied linguistics, second language acquisition and socialization, content-based language education, pedagogical and functional grammar, second language writing, issues of language and identity, language in education, multilingual literacies, language policy, and English in</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,230 Present Calendar Entry: Degrees Offered <p>M.A., M.Ed. Ph.D.</p> Doctor of Philosophy <p>The Department of Educational and Counselling Psychology, and Special Education offers programs of study leading to Ph.D. degrees in the following areas:</p> <ul style="list-style-type: none"> ▪ Counselling Psychology ▪ Human Learning, Development, and Instruction ▪ Measurement, Evaluation, and Research Methodology ▪ School Psychology ▪ Special Education <p>The Ph.D. in the Counselling Psychology program is accredited by the Canadian Psychological Association (CPA) and American Psychological Association (APA).</p> <p>Academic performance is not the sole criterion for promotion to graduation or continuation in programs in the Department of Educational and Counselling Psychology, and Special Education.</p>



immigrant and international communities. The program also jointly sponsors the UBC/Ritsumeikan Joint Academic Exchange Program.

Doctor of Philosophy

Students who would like to undertake a Ph.D. in Teaching English as a Second Language can do so through the program in {I|11312|Language and Literacy Education}.

Master of Arts

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the program normally requires:

1. eighteen credits of **senior-upper level** coursework or a professional concentration in the area of interest;
2. two years of teaching experience or other relevant professional experience.

Program Requirements

The program consists of 30 credits **including a thesis, normally nine credits**. At least 15 credits **of coursework** must be at 500-level or above. A maximum of six credits may be taken at the 300- or 400-level. **A thesis, normally nine credits, is included.**

For B.C. teachers: Teacher Qualification Service requires a capstone experience (thesis).

Full-time and part-time study options are offered.

Master of Education

Admission Requirements

Same as M.A.

Program Requirements

M.Ed. program consists of a minimum of 30 credits, of which 24 must be courses numbered at the 500-level. A maximum of six credits may be taken at the 300- or 400-level. Students select either a program consisting entirely of courses (for example, ten 3-credit courses) or 27 credits of coursework plus a graduating project (3

All program areas also require that candidates demonstrate interpersonal and ethical qualities commensurate with working in educational or counselling settings.

Master of Arts and Master of Education

The Department offers programs of study leading to master's degrees in the following areas:

- Counselling Psychology (CNPS): M.A. and M.Ed.
- Human Learning, Development and Instruction (HLDI): M.A. and M.Ed.
- Measurement, Evaluation and Research Methodology (MERM): M.A. and M.Ed.
- School Psychology (SCPS): M.A. and M.Ed.

Master's degrees in Counselling Psychology are available in the following programs accredited by the Council for the Accreditation of Counselling and Related Educational Programs: Community Counselling, Counselling in Higher Education, and School Counselling.

Master's degrees in Special Education are available with concentrations in General Special Education, Autism/Developmental Disabilities, Behaviour Disorders, Education of the Blind/Visually Impaired, Education of the Deaf/Hard of Hearing, High Ability, and Learning Disabilities.

A combined Special Education and Educational Administration program is offered and a combined Ts'Kel and Special Education program is also available to First Nations students and other interested in First Nations education.

With the exception of School Psychology, all master's programs in the Department are available on a full-time or part-time basis.

Additional information about the master's programs is provided in the brochures related to the area of specialization.

Academic performance is not the sole criterion for promotion to graduation or continuation in programs in the Department. All program areas also require that candidates demonstrate interpersonal and ethical qualities commensurate with working in educational or counselling settings.



credits).

For B.C. teachers: Teacher Qualification Service requires a capstone experience (graduating project).

Full-time and part-time study options are offered.

Contact Information:

Department of Language and Literacy
Education
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5788

Fax: 604-822-5134

Email: anne.eastham@ubc.ca

Web: www.lled.educ.ubc.ca

Anne Eastham, Graduate Programs
Assistant

Please refer to [Education](#) for information on general admission requirements.

Prospective applicants are encouraged to visit the [Educational and Counselling Psychology, and Special Education website](#).

Course descriptions for Counselling Psychology courses are listed with the CNPS subject code in the course description section of this Calendar. Courses for all other program areas are listed with the EPSE subject code.

Contact Information

Department of Educational and Counselling
Psychology, and Special Education
Faculty of Education
2125 Main Mall
Vancouver, BC V6T 1Z4

Tel: 604-822-5351

TDD: 604-822-8229

Fax: 604-822-3302

Email: lynda.mcdicken@ubc.ca

Website: www.ecps.educ.ubc.ca

Tel (Counselling Psychology): 604-822-6371

Fax (Counselling Psychology): 604-822-2328

Email (Counselling Psychology):

karen.yan@ubc.ca

Ms. Lynda McDicken, Graduate Program
Assistant, ECPS

Ms. Karen Yan, Graduate Secretary,
Counselling Psychology

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Technology Studies Education Degrees Offered: M.A. M.Ed. Members Professors Associate Professors Assistant Professors Program Overview <p>The graduate degree programs (M.Ed. and M.A.) in Technology Studies Education are part of the graduate offerings in the Department of Curriculum Studies. Technology Studies Education (TSED) consists of two main areas: Technology Education and Computing Studies. Graduate studies in Technology Studies are interdisciplinary and offer students a variety of research and professional development opportunities.</p> <p>Students may also choose to apply to enrol in the {M.E.T. (Master of Educational Technology) program}, offered online through the Office of External Programs and</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,229 Present Calendar Entry: Doctor of Education, Doctor of Philosophy, Master of Education, Master of Educational Technology and Master of Arts <p>Graduate programs in education are offered by various units in the Faculty of Education, as well as by the Faculty as a whole:</p> <ul style="list-style-type: none"> ▪ The Department of Curriculum Studies offers graduate programs in art education, business education, home economics education, mathematics education, music education, physical and health education, science education, social studies education, technology studies education, and curriculum studies. ▪ The Department of Educational and Counselling Psychology, and Special Education offers graduate programs in counselling psychology; educational psychology; human learning, development and instruction; measurement, evaluation and research methodology; school psychology; and special education. ▪ The Department of Educational Studies offers graduate programs in adult education, educational administration,



Learning Technologies.

Part-time and full-time study options are offered.

Master of Arts

Admission Requirements

In addition to the Faculty of Graduate Studies requirements, the program normally requires:

1. eighteen credits of senior coursework or a professional concentration in the area of interest; and
2. two years of teaching experience or other relevant professional experience.

Program Requirements

The program consists of 30 credits including a thesis, normally nine credits. At least 15 credits of coursework must be ~~at~~ 500-level or above. A maximum of six credits may be taken at the 300- or 400-level. ~~A thesis, normally nine credits, is included.~~

For B.C. teachers: Teacher Qualification Service requires a capstone experience (e.g. thesis).

Master of Education

Admission Requirements

Same as M.A.

Program Requirements

The program consists of a minimum of 30 credits ~~;~~ of which at least 24 credits of coursework must be courses numbered at the 500- level or above. A maximum of six credits may be taken at the 300- or 400-level. Students select either a program consisting entirely of courses (30 credits) or 27 credits of coursework plus a graduating project (three credits).

For B.C. teachers: Teacher Qualification Service requires a capstone experience (e.g. graduating project).

Contact Information:

Department of Curriculum Studies
2125 Main Mall

higher education, history of education, philosophy of education, sociology of education, educational studies and educational leadership and policy.

- The Department of Language and Literacy Education offers graduate programs in English as a second language literacy education, modern languages education and teacher librarianship.
- The Centre for Cross-Faculty Inquiry in Education offers graduate programming focused on themes that reflect interests from across the Faculty of Education.
- The Faculty of Education offers a joint online degree program in partnership with Tec de Monterrey, a Mexican university that specializes in online education. It provides students with an opportunity to participate with a culturally diverse student population.

Where appropriate, joint programs, which involve collaboration among the areas listed above, or which involve an area outside the Faculty of Education, can be arranged. For information on Graduate Certificates and Off-Campus Graduate work see [Graduate Programs](#) under the Faculty of Education section in this Calendar.

Master's Degrees

Students seeking entry to the Master of Arts (M.A.) in Education and the Master of Educational Technology (M.E.T.) programs should consult the individual program or unit for information regarding specific admission requirements. These are also outlined in the individual websites listed below:

- [Dept. of Curriculum Studies](#)
- [Dept. of Educational & Counselling Psychology, and Special Education](#)
- [Counselling Psychology Program](#)
- [Dept. of Educational Studies](#)
- [Dept. of Language and Literacy Education](#)
- [School of Human Kinetics](#)
- [Centre for Cross-Faculty Inquiry in Education](#)



Vancouver, BC V6T 1Z4

Tel: 604-822-5367

Fax: 604-822-4714

Email: cust.grad@ubc.ca

Web: www.cust.educ.ubc.ca

Basia Zurek, Graduate Secretary

▪ **[Master of Educational Technology](#)**

For information on off-campus graduate work please [email](#) or phone 604-822-2013.

Contact Information

General information on graduate programs in education may be obtained from the Office of Graduate Programs and Research.

Faculty of Education
2125 Main Mall, Room 2601
Vancouver, BC V6T 1Z4
Tel: 604-822-5512
Fax: 604-822-8971
Email: ogpr@interchange.ubc.ca

Prospective applicants are encouraged to visit the [Education Graduate Programs website](#).

Type of Action:

Edit Calendar entry.

Rationale:

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UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Theatre Degrees Offered: Ph.D. M.A. M.F.A. <i>Members</i> Professors Associate Professors Assistant Professors <i>Program Overview</i> <p>The Theatre Program offers opportunities for advanced studies leading to the Doctor of Philosophy (Ph.D.) and the Master of Arts (M.A.) in dramatic literature, theatre history and criticism. The program also offers advanced studies leading to the Master of Fine Arts (M.F.A.) in the direction of plays and in the design of scenery, costume and lighting. In co-operation with the Creative Writing Program, Theatre offers an M.F.A. in playwriting. (For details of this joint program see {I 11273 Creative Writing/Theatre}.)</p> <p>The program has diversified offerings in both practical theatre and the academic study of dramatic literature, history and criticism. Regular productions, directed and designed by faculty, graduate students, and guest artists, are presented in the Frederic Wood Theatre and the Telus Studio Theatre. There is opportunity for participation in all aspects</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,307 Present Calendar Entry: Degrees Offered <i>M.A., M.F.A.</i> <i>Ph.D.</i> Program Overview <p>The program offers opportunities for advanced studies leading to the Doctor of Philosophy (Ph.D.) and Master of Arts (M.A.) in dramatic literature, theatre history and criticism.</p> <p>The program also offers advanced studies leading to the Master of Fine Arts (M.F.A.) in the direction of plays and in the design of scenery, costume and lighting.</p> <p>In co-operation with the Creative Writing Program, Theatre offers an M.F.A. in playwriting for the stage. (For details of this joint program see Creative Writing.)</p> <p>The program has diversified offerings in both practical theatre and the academic study of dramatic literature, history and criticism. Regular productions, directed and designed by faculty and graduate students, are presented in the Frederic Wood Theatre and the Telus Studio flexible courtyard theatre. There is opportunity for participation in all aspects of production.</p> <p>Library resources are constantly expanding from the present collection of approximately 30,000 works of dramatic literature and books on theatre, and more than 70 periodicals. There are almost 500 recordings of drama in the Wilson Library.</p> <p>Further information about graduate programs may be obtained from the program's graduate</p>



of production.

~~The program is supported by extensive library resources are constantly expanding from the present collection of that currently include~~ approximately 30,000 works of dramatic literature and books on theatre, and more than 70 periodicals. There are almost 500 recordings of drama in the Wilson Library.

Further information about graduate programs may be obtained from the {H|www.theatre.ubc.ca/programs/programs.htm|Theatre Program's website}.

See also graduate programs in {I|11271|Creative Writing} and {I|11290|Film Studies}.

Doctor of Philosophy

Admission Requirements

The Ph.D. program in Theatre Studies is administered by the Graduate Committee in Theatre Studies. The Program can accommodate very few students, and admission is competitive.

Applicants should be able to match their research interests to those of the Graduate Committee: Canadian Studies, Dramaturgy, Post-Colonial Theatre, and some aspects of 19th Century European and Modern British, American and Canadian Theatre. ~~All students in the Graduate program are expected to apply for UGF and SSHRC awards to support their studies.~~

For detailed information about specific admission requirements please visit the Ph.D. Theatre page of the Theatre Program website at {H|www.theatre.ubc.ca/programs/phdcours.htm}.

Transfer from the ~~master's M.A.~~ [I] to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies and the Programs' Graduate Committee.

Program Requirements

~~For detailed information about specific program requirements please visit the Ph.D. Theatre page of the Theatre Program website at {H|www.theatre.ubc.ca/programs/phdcours.htm}. All doctoral students are required to successfully complete a comprehensive examination. The~~

handbook.

See also graduate programs in [Creative Writing](#) and [Film](#).

Contact Information

Theatre Program
6354 Crescent Road
Vancouver, BC V6T 1Z2
Tel: 604-822-3880 ext. 0
Fax: 604-822-5985
Email: fwtheatr@interchange.ubc.ca
Website: www.theatre.ubc.ca

Ms. Karen Tong, Graduate Secretary

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.



Major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements. A thesis plus 18 credits of coursework at the 500 level in Theatre, English or any other department that offers seminars on drama, theatre, performance topics or other topics related to the student's area of specialization in theatre. Coursework must include at least 3 credits of THTR 547. All students must participate in a series of non-credit workshops on research, methods and professionalism.

All students in the Graduate program are expected to apply for UGF and SSHRC awards to support their studies.

Master of Arts

Admission Requirements

The Master of Arts in Theatre is administered by the Graduate Committee in Theatre Studies. The Program can accommodate very few students, and admission is competitive.

Applicants should be able to match their research interests to those of the Graduate Committee: Canadian Studies, Dramaturgy, Post-Colonial Theatre, and some aspects of 19th Century European and Modern British, American and Canadian Theatre. ~~All students in the Graduate program are expected to apply for UGF and SSHRC awards to support their studies.~~

Applicants must meet the minimum admission requirements set by the Faculty of Graduate Studies. For detailed information about specific application ~~requirements~~ procedures please visit the M.A. [12]Theatre page of the Theatre Program website at {H|www.theatre.ubc.ca/programs/~~pmahd~~cou rs.htm}.

Program Requirements

A minimum of 30 credits including a 12 credit thesis, 18 credits of graduate seminars related to drama, theatre, performance topics. A minimum of 6 credits may be taken as 300 or 400 topics.

For detailed information about specific program requirements please visit the M.A. Theatre page of the Theatre Program website at



{H|www.theatre.ubc.ca/programs/~~map~~helcou
rs.htm}.

All students in the Graduate program are expected to apply for UGF and SSHRC awards to support their studies.

Master of Fine Arts

The Master of Fine Arts in Design for Theatre is an intensive graduate program intended to prepare students for design in the professional theatre in Canada. The Program can accommodate very few students, and admission is competitive.

Instruction in the M.F.A. program centres around a core of studio classes emphasizing development of the designers' graphic, conceptual, and research skills. In addition, M.F.A. design students may assist faculty and other practicing designers on projects outside the University, design theatre productions at UBC and elsewhere, and work in film. The program generally takes 2 or 3 years to complete, and culminates in a design(s) thesis.

The M.F.A. Directing program is a professionally oriented intensive graduate program, intended for those who wish to extend and enhance their directing practice. The Program can accommodate very few students, and admission is competitive.

Admission Requirements

~~The Master of Fine Arts in Design for Theatre is an intensive graduate program intended to prepare students for design in the professional theatre in Canada. The Program can accommodate very few students, and admission is competitive.~~

~~Instruction centres around a core of studio classes emphasizing development of the designers' graphic, conceptual, and research skills. In addition, M.F.A. design students may assist faculty and other practicing designers on projects outside the University, design theatre productions at UBC and elsewhere, and work in film. The program generally takes 2 or 3 years to complete, and culminates in a thesis design or designs. For detailed information about specific application procedures and program requirements please visit the M.F.A. in Design for Theatre page of the Theatre Program website at {H|http://www.theatre.ubc.ca/programs/mfa
desig.htm}.~~

~~The M.F.A. Directing program is a professionally oriented intensive graduate~~



~~program, intended for those who wish to extend and enhance their directing practice. The Program can accommodate very few students, and admission is competitive.~~

Program Requirements

Students in the M.F.A. directing program spend a year investigating a variety of preparation and rehearsal techniques and the demands of various theatrical performance styles. In their second year they direct two full length productions, one of which is the student's thesis production. Students must complete a minimum of 30 credits; at least 24 credits of coursework must be at the 500-level or above.

Students in the M.F.A. design program must complete a minimum of 30 credits of coursework including 24 credits above 500. These credits include a 6 or 12 credit thesis plus 12 credits from THTR 505, 506, 507, 508, 407, 551, 547.

For detailed information about specific application and program requirements please visit the M.F.A. in Directing for Theatre page of the Theatre Program website at {H|http://www.theatre.ubc.ca/programs/mfa_dir.htm}.

Contact Information:

Theatre Program
6354 Crescent Road
Vancouver, BC V6T 1Z2

Tel: 604-822-3880

Fax: 604-822-5985

Email: fwtheatr@interchange.ubc.ca

Web: www.theatre.ubc.ca

Karen Tong, Theatre Program Secretary
and Graduate Secretary

[11]The M.F.A. as well? Check with Theatre.

[12]Spell out the requirements



Approved by Curriculum Committee

UBC Curriculum Proposal Form Change to Course or Program

Category: (2)

Faculty: Department: Faculty Approval Date: Effective Session ____ Term ____ Year ____ for Change	Date: Contact Person: Joyce Tom Phone: Email:
Proposed Calendar Entry: Women's and Gender Studies Degrees Offered: Ph.D. M.A. Members Professors Associate Professors Assistant Professors Program Overview <p>Women's Studies is an exciting interdisciplinary field of study that also draws upon several traditional disciplines. It has its own texts, journals and methodology. In many disciplines some of the most innovative, scholarly work in theory and research is being done by Women's Studies specialists, and the interdisciplinary nature of Women's Studies scholarship is an important feature of its success and promise. The Women's Studies program at UBC strives to offer courses in an open and mutually supportive atmosphere. The Centre has approximately 50 well-qualified faculty</p>	URL: http://students.ubc.ca/calendar/index.cfm?tree=12,204,349,310 Present Calendar Entry: Degrees Offered <i>M.A.</i> <i>Ph.D.</i> Master of Arts <p>Administered by the Centre for Research in Women's Studies and Gender Relations, the Master of Arts in Women's Studies and Gender Relations (M.A. [Women's Studies and Gender Relations]) allows qualified students to undertake graduate work in the field. Issues related to women, gender analysis or related topics will be presented in feminist frameworks. Candidates are selected by an advisory committee representing a range of relevant research areas, which assesses the availability of appropriate courses and faculty members to provide supervision. The 30-credit Master of Arts is available on a full-time or part-time basis. There are two options: with thesis or without thesis. Non-thesis students complete a shorter extended essay or research project.</p> <p>To be eligible to be considered for admission, students must:</p> <ol style="list-style-type: none"> 1. hold a B.A. or equivalent degree from a recognized university in an area deemed relevant to Women's Studies by the



associates from many departments and programs. They include expertise in Gender and Development, Lesbian and Gay Studies, Gender and Cultural Studies (including Asia), Women in Canadian History and Literature (in English and French), issues related to Women's Health, and Feminist Legal Studies. The program aims to maintain flexibility to accommodate the needs of individual students.

Doctor of Philosophy

Admission Requirements

To be eligible for consideration applicants must fulfill all the general requirements for admission to the Faculty of Graduate Studies. In addition, they must also:

1. Demonstrate adequate preparation in feminist theory and methodology, or be willing to take extra courses, as required, to gain such preparation.
2. Submit a writing sample (such as an essay) demonstrating excellent research potential, and a statement explaining why s/he wishes to undertake doctoral or MA work in Women's Studies. The student may describe relevant non-academic experience, and explain any discrepancies in the academic record. This statement should also specify the areas of most interest to the applicant, to enable us to ascertain the likelihood of an appropriate research supervisor being available for the thesis.

Students are selected by the Graduate Admissions Committee, which assesses the availability of appropriate courses and faculty to provide supervision.

Transfer from the M.A. to the Ph.D. program is permitted under regulations set by the Faculty of Graduate Studies.

Program Requirements

The Ph.D. Program allows qualified students to undertake doctoral work in the field of Women's Studies and Gender Relations. Students who did not do their M.A. at the Centre must complete WMST 500, 501 and 502 in year one, plus a minimum of 3 additional credits of graduate-level coursework, to be approved by the Graduate Advisor.

advisory committee;

2. have obtained at least a 'B+' (or equivalent) average in the last two years of undergraduate study with first-class standing in a minimum of 12 credits of relevant coursework;
3. demonstrate adequate preparation in feminist theory and methodology, or be willing to take extra courses, as required, to gain such preparation;
4. submit a writing sample (e.g., an essay) and a statement explaining why s/he wishes to do graduate work in Women's Studies. The student may describe relevant non-academic experience, and explain any discrepancies in the academic record. This statement should also specify the areas of most interest to the applicant, in order to ascertain the likelihood of an appropriate research supervisor being available if the thesis option is preferred;
5. arrange to have three letters of reference commenting on the student's suitability sent directly to the Director of the program; and
6. fulfil all general requirements for admission to the Faculty of Graduate Studies.

About 50 faculty members from many departments and faculties are associates of the Centre for Research in Women's Studies and Gender Relations. Students complete 30 credits of coursework, including required core courses in methodology and theory and interact with visiting scholars at the Centre through a year-long seminar. There is considerable flexibility in the selection of other courses. Options may include a practicum or internship in the local community or abroad.

Doctor of Philosophy

Administered by the [Centre for Research in Women's Studies and Gender Relations](#), the Ph.D. allows qualified students to undertake doctoral work in the field of Women's Studies and Gender Relations. Students who did not do their M.A. at the Centre complete WMST 500 in year one, and a minimum of 9 additional credits of graduate-level coursework, to be approved by the Graduate Advisor. Additional coursework may be required. Qualifying examinations may take a variety of forms, also to be approved by the committee, and must normally be completed



Additional coursework may be required. Comprehensive examinations may take a variety of forms, to be approved by the Graduate Advisor, and must normally be completed by the end of the second year in the program. The major requirement for the Ph.D. is completion of a research thesis meeting the Faculty of Graduate Studies requirements (WMST 606).

Master of Arts

Admission Requirements

To be eligible for consideration applicants must fulfill all the general requirements for admission to the Faculty of Graduate Studies. In addition, they must also:

1. Demonstrate adequate preparation in feminist theory and methodology, or be willing to take extra courses, as required, to gain such preparation.
2. Submit a writing sample (such as an essay) demonstrating excellent research potential, and a statement explaining why s/he wishes to undertake doctoral or MA work in Women's Studies. The student may describe relevant non-academic experience, and explain any discrepancies in the academic record. This statement should also specify the areas of most interest to the applicant, to enable us to ascertain the likelihood of an appropriate research supervisor being available for the thesis.

Students are selected by the Graduate Admissions Committee, which assesses the availability of appropriate courses and faculty to provide supervision.

Program Requirements

The Master of Arts (M.A.) in Women's Studies and Gender Relations allows qualified students to undertake graduate work in the field. Issues related to women, gender analysis or related topics will be presented in feminist frameworks. The 30-credit M.A. is available on a full-time or part-time basis. There are two options: thesis (WMST 520) or course-based (WMST 510). Students in both options are required to complete core courses in methodology (WMST 501) and theory (WMST 502) and interact with visiting scholars at the Centre through a year-long seminar (WMST 500). There is considerable flexibility in the selection of other courses. Options may include a practicum or internship in the local community or abroad.

by the end of the second year in the program. Candidates are selected by an Advisory Committee representing a range of relevant research areas, which assesses the availability of appropriate courses and faculty to provide supervision.

Admission Requirements

Applicants must fulfil all the general requirements for admission to the Faculty of Graduate Studies (e.g. TOEFL score). To be eligible for consideration they must also:

1. Hold an M.A. or equivalent degree from a recognized university, in an area deemed relevant to Women's Studies and Gender Relations by the Advisory Committee, with excellent academic standing.
2. Demonstrate adequate preparation in feminist theory and methodology, or be willing to take extra courses, as required, to gain such preparation.
3. Submit a writing sample (such as an essay) demonstrating excellent research potential, and a statement explaining why s/he wishes to undertake doctoral work in Women's Studies. The student may describe relevant non-academic experience, and explain any discrepancies in the academic record. This statement should also specify the areas of most interest to the applicant, to enable us to ascertain the likelihood of an appropriate research supervisor being available for the thesis.
4. Arrange to have three letters of reference sent directly to us, with the Faculty of Graduate Studies forms, commenting on the student's suitability for the Ph.D. program.

Contact Information

Centre for Research in Women's Studies and Gender Relations
1896 East Mall
Vancouver, BC V6T 1Z1
Tel: 604-822-9171
Fax: 604-822-9169
Email: jdc@interchange.ubc.ca
Website: www.wmst.ubc.ca

Ms. Jane Charles, Graduate Secretary

See also [Centre for Research in Women's](#)



Part-time and full-time study options are offered.

Contact Information:

Centre for Research in Women's Studies and Gender Relations
1896 East Mall
Vancouver, BC V6T 1Z1

Tel: 604-822-9171

Fax: 604-822-9169

Email: wmst1@interchange.ubc.ca

Web: www.wmst.ubc.ca

Wynn Archibald, Graduate Secretary

[Studies and Gender Relations](#)

Type of Action:

Edit Calendar entry.

Rationale:

The Faculty of Graduate Studies is making an effort to have calendar entries consistent, effective, efficient and equitable for all graduate programs. A number of programs have large amount of information while others have barely any information. We are trying to have all calendar entries consistent in length without leaving out any pertinent information.

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate & Curriculum Services
Brock Hall
2016-1874 East Mall
Vancouver, BC V6T 1Z1

27 April, 2006

To: Senate

From: Nominating Committee

Subject: **Adjustments to Committees**

SECTION I: Adjustments to Vancouver Senate

Motion:

That Senate accept the recommendation of the Nominating Committee to appoint senators to the Committees of Senate as circulated.

- 1. Academic Building Needs:**
Bijan Ahmadian and Sanya Brkanovic
- 2. Academic Policy:**
Phil Orchard and Jaspreet Khangura
- 3. Admissions:**
Katie McAllister and Kerry Liu
- 4. Agenda:**
Betsy Segal and Bijan Ahmadian
- 5. Appeals on Academic Standing:**
Bijan Ahmadian, Betsy Segal and Kerry Liu
- 6. Continuing Studies:**
TBA
- 7. Curriculum:**
Sanya Brkanovic, Brian Danin and Jerry Fan Fan
- 8. Library:**
Gina Eom, Andrea Thamboo and Cameron Funnell

9. Nominating:

Betsy Segal

10. Student Appeals on Academic Discipline:

Dale Griffin

Katie McAllister, Tariq Ahmed and Jerry Fan Fan

11. Student Awards:

Brian Danin and Jerry Fan Fan

12. Teaching and Learning:

Cameron Funnell, Katie McAllister and Tariq Ahmed

13. Tributes

Tariq Ahmed and TBA

SECTION II: Nominations to the Council of Senates

Motion:

That Senate accept the recommendation of the Nominating Committee to appoint senators to the Committees of the Council of Senates as circulated.

1. Budget Committee:

Perry Adebar, James Brander, Michael MacEntee and Philip Orchard

2. Elections Committee:

Mary Anne Bobinski, Christopher L Gorman and Kerry Liu

Respectfully submitted,

Principal John H. V. Gilbert
Chair
Senate Nominating Committee

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

April 28, 2006

To: Vancouver Senate

From: Nominating Committee

Subject: Senate Committee Composition and Terms of Reference

Senators will recall that several of the May 2005 recommendations of the Senate Review Committee relate to standing committees of Senate and their terms of reference. The Nominating Committee met recently to review committee composition and terms of reference in light of the Senate Review and is pleased to recommend the following changes.

The Committee notes that this special review is not intended to replace the usual review of terms of reference that takes place during the third year of each Senate term. In consultation with Committee Chairs, the Committee will conduct its triennial review in 2007/2008 and expects to report to Senate no later than May 2008.

Curriculum Committee and Continuing Studies Committee

Motions 1, 2, and 3:

1. *That the Continuing Studies Committee be dissolved and that the Rules and Procedures of Senate be adjusted accordingly.*
2. *That Senate approve the proposed revisions to the composition, quorum, and terms of reference for the Curriculum Committee; and*
3. *That the following Senators be appointed to the Curriculum Committee:*

*Mr. Patrick Brady (convocation senator);
Dr. Jeff Young (faculty);
Dr. Nemkumar Banthia (faculty);
Dr. David Fielding (faculty); and
One student TBA (student)*

Curriculum Committee Current	Curriculum Committee Proposed
<p>Composition:</p> <p>Thirteen members of Senate, including four student members and at least two convocation members, elected by Senate.</p> <p>The chairs of faculty curriculum committees.</p> <p>Quorum: 8 voting members</p> <p>Terms of Reference:</p> <p>1) To consider proposals from faculties for changes, additions, or deletions of courses and for new programs of study, new academic organization, and new</p>	<p>Composition:</p> <p>Eighteen members of Senate, including five student members and at least three convocation members, appointed by the Senate upon recommendation of the Nominating Committee</p> <p>Ex-officio Members: President, Chancellor, Registrar Librarian AVP, Academic Programs AVP, Continuing Studies Representative, Continuing Education Division in the Health Sciences One curriculum committee chair from each Faculty</p> <p>Quorum: 9 voting members</p> <p>Terms of Reference:</p> <p>1) To consider proposals from faculties for new, changed and deleted courses, programs of study, degrees, and other credentials, and to make</p>

Curriculum Committee Current	Curriculum Committee Proposed
<p>degrees, and to make recommendations thereon to Senate.</p> <p>2) To recommend, where appropriate, an order of priority for the implementation of the recommendations of the Committee.</p>	<p>recommendations thereon to Senate.</p> <p>2) To keep under review the policies and programs of the University with respect to continuing education activities;</p> <p>3) To monitor Senate's policy on expanding the availability of degrees and other credentials through part-time study, and to make recommendations thereon to Senate.</p> <p>4) To recommend, where appropriate, an order of priority for the implementation of the recommendations of the Committee.</p>

Rationale:

- 1) Committee membership has been increased by five members, including one additional convocation member and one additional student, such that the Committee is staffed to take on additional terms of reference related to continuing studies.
- 2) Quorum has been increased to remain in proportion to the larger number of members, but is not so high as to impede meeting operations.
- 3) The method of appointing members to the Committee has been updated to reflect current Senate practice and the designation of one curriculum chair per Faculty is now more precise.
- 4) Composition has been updated to list all ex-officio members. Two ex-officio members have been transferred from the Continuing Studies Committee.
- 5) An updated and streamlined version of the Continuing Studies Committee's terms of reference has been integrated with those of the Curriculum Committee. Note that "and other credentials" has been added to Term #1.
- 6) The term of reference related to "new academic organization" has been transferred from the Curriculum Committee to the Academic Policy Committee (see below).

Academic Policy Committee

Motion 4:

4. *That the terms of reference of the Academic Policy Committee be amended to add:*

“To consider proposals for the organization or reorganization of academic units and to make recommendations thereon to Senate.”

Current terms of reference are as follows:

1. To advise the Senate on such matters of important academic policy as may be referred to it from time to time.
2. To advise the Senate on significant academic policy matters which, in the judgment of the Committee, might be brought to the attention of an appropriate standing committee of Senate for review. If the subject is not addressed in the mandate of another committee, the Academic Policy Committee may review the issue itself and report to Senate.
3. To advise the Agenda Committee, when requested, on matters brought before Senate.
4. To assess, when requested by Senate, the impact of decisions on academic policies or regulations approved by Senate and report on the results of such analyses.
5. To report to the Senate at least annually on its deliberations.

Rationale:

This addition represents the transfer of this responsibility from the Curriculum Committee (“new academic organization”) to the Academic Policy Committee, in accordance with current Senate practice.

Liaison with Post-Secondary Institutions Committee

Motion 5:

5. *That the Liaison with Post-Secondary Institutions Committee be dissolved.*

Rationale:

As noted by the Senate Review Committee, this Committee is not active: it has not met for approximately five years. It was created to fulfill Section 37(1)(w) of the *University Act*, which stipulates that the Senate has the power to create such a committee (not that it *must* create such a committee). The dissolution of this standing committee does not affect the Senate’s ability to strike an ad hoc committee or to expand the terms of reference of a standing committee if a matter relating to liaison with post-secondary institutions should arise in future.

Academic Building Needs Committee

Motion 6:

6. *That the terms of reference of the Academic Building Needs Committee be amended to add:*

“5. To report annually to Senate on the status of building projects, on their impact on the teaching and academic resource, and on the Committee’s role in the capital project approval process.”

Note: Current terms of reference are as follows:

1. To monitor the implementation of the Campus Plan;
2. To review annually all building project priorities;
3. To recommend priorities on new academic buildings with consideration for the needs of academic and non-academic buildings, balance of types of teaching spaces, and relationship to physical plant and planning; and
4. To review the impact of every development, whether building or landscape, on the total teaching and academic resource

Rationale:

To clarify the Committee’s role and reporting interval, and to address in part the recommendation of the Senate Review Committee that the Committee requires a clarified mandate.

Agenda Committee

Motion 7:

7. *That the terms of reference of the Agenda Committee be amended to add the following:*

“5. To annually collect and prepare for Senate discussion topics of broad academic interest.”

Current terms of reference are as follows:

1. To prepare an agenda for Senate meetings.
2. To discuss matters referred to it by Senate or by the chair of Senate for report to Senate.
3. To consider and take action on behalf of the Senate on all matters that may be referred to the Senate by the Board (p. 6397 Senate minutes).

4. To consider matters relating to the implementation of the University Act.

Rationale:

To reflect current practice in accordance with Senate Review Committee Recommendation #5.

Admissions Committee

Motions 8, 9, and 10:

8. *That the ex-officio membership of the Admissions Committee be amended as follows:*
 1. *To delete “Director, Student Recruitment;”*
 2. *To delete “Associate Registrar, Admissions;”*
 3. *To add “Associate Registrar and Director, Student Recruitment, Admissions, and Awards;”*
 4. *To delete “Associate Dean” for each of the Faculties of Arts, Science, and Applied Science; and*
 5. *To add “One Assistant or Associate Dean from each Faculty.”*
9. *That the quorum of the Admissions Committee be set at “five members of the Committee who are members of Senate.”*
10. *That the following statement be appended to the Admissions Committee’s terms of reference:*
“Assistant or Associate Deans are normally requested to recuse themselves from the hearing of student appeals.”

Rationale:

Items 1 through 3 update ex-officio membership in recognition of the fact that one position now represents both Admissions and Student Recruitment. Changes 4 and 5 provide for representation from all 12 Faculties instead of the current three.

The adjustment to the quorum aims to ensure adequate representation by members of Senate at meetings of the Committee.

The addition to the terms of reference clarifies that, in accordance with the principles of natural justice, appeal hearings are normally conducted solely on the basis of written submissions, with neither the appellant nor the respondent present.

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate and Curriculum Services
1874 – 2016 East Mall
Vancouver, BC
V6T 1Z1

May 9, 2006

To: Vancouver Senate

From: Nominating and Agenda Committees

Subject: Academic Building Needs Committee Mandate

In its May 2005 report, the ad hoc Committee for the Review of Senate cited as a notable concern the reduced role of the Senate with respect to building development:

There is a Senate Committee, the Academic Building Needs Committee that, according to its mandate, would seem to have a fundamental role in setting priorities for buildings and reviewing any building plans at the University. In fact, however, this Committee and, by inference, Senate itself appear to have virtually no role in building policy, most of which is determined by highly professional staff who interact directly with the President's Office.¹

First among the ad hoc Committee's recommendations was that Senate address this concern:

The Academic Building Needs Committee requires a clarified mandate with respect to overall infrastructure planning reflecting a more central role in decision making.

This recommendation is consonant with Section 27(1)(d) of the University Act, which assigns the following power to the Board of Governors [bold added for emphasis]:

In consultation with the senate, to maintain and keep in proper order and condition the real property of the university, to erect and maintain the buildings and structures on it that in the opinion of the board are necessary and advisable, and to make rules respecting the management, government and control of the real property, buildings and structures.

The Agenda and Nominating Committees present this as a joint report since the goal of "reviving" the role of this Committee involves both a modification to the

¹ Report of the Senate ad hoc Committee for Review of Senate, May 2005, p. 9.

Committee's terms of reference as well as a modification to its procedures and its relationship with other participants in matters relating to building projects.

Over the past several years, the Academic Building Needs Committee has met concurrently with the President's Property and Planning Advisory Committee and has undertaken little independent activity. The Nominating and Agenda Committees suggest that more independent action will be necessary if the Academic Building Needs Committee is to realize its mandate in decision making.

A relatively minor change to the Committee's terms of reference is to be proposed separately by the Nominating Committee at the May 16 meeting of the Senate. However, the present report is intended to supplement this by recommending that the Academic Building Needs Committee consider and report on its operations with respect to: for example, the future operations of the Academic Building Needs Committee independent from the President's Property and Planning Advisory Committee; and a for future interaction between the Academic Building Needs Committee and senior administration of the University.

Motion

That the Academic undertake a review of its role and operations and report to Senate no later than the September 2006 regular meeting of Senate.

Respectfully submitted,

Principal John H. V. Gilbert
Chair, Nominating Committee

Dean Michael Isaacson
Chair, Agenda Committee



Enrolment Services
Senate & Curriculum
Services
Brock Hall
2016-1874 East Mall
Vancouver, BC V6T 1Z1

May 5, 2006

TO: Senate

FROM: Senate Committee on Student Appeals on Academic Discipline

Report to Senate 2005-2006

Members of the Committee: Mr. Birinder (Sunny) Aujla, Professor Christine Boyle (chair), Ms. Jennifer Collins, Dr. Susan Grayston, Ms. Wendy King, Mr. Robert Lowe, Mr. Michael Tung, Dr. Mahesh Upadhyaya, Dr. Daniel Weary, Dr. Jeff Young.

The Senate Committee on Student Appeals on Academic Discipline is a standing committee of Senate established under section 37(1) (v) of the *University Act*, R.S.B.C.1996, c.468 (consolidated as of 21 March 2003). The committee is a "standing committee of final appeal for students in matters of academic discipline". Under section 61(1) of the *Act* the "president has power to suspend a student and to deal summarily with any matter of student discipline." Under section 61(2), the President "must promptly report the action to the standing committee established under s.37 (1) (v) with a statement of his or her reasons." Under section 61(3), the "action of the president is final and subject in all cases to an appeal to the Senate."

Student discipline is now governed by the Academic Regulations section of the [UBC Calendar](#) in the 2006/2007 Calendar on pages 52- 55. Rules of procedure can be found at <www.students.ubc.ca/senate>

During the period from September 2005 to May 2006, the Senate Committee heard 3 appeals involving 4 students disciplined by the President on the recommendation of her Advisory Committee. The offences, the disciplinary action taken by the President, the nature of the appeals, and the decision of the Standing Committee, were as follows:

1. January 2006

The student was disciplined for plagiarizing a term 2 paper and for including a small amount of plagiarized material in a term 1 paper of the same course. Discipline imposed: a mark of zero in the course, 12 month suspension, and entry of disciplinary action on transcript with a right to apply for removal of notation after two years from graduation

(hereafter "notation on transcript"). Appeal with respect to the severity of the disciplinary action.

Appeal dismissed.

2. February 2006

The student was disciplined for plagiarizing a term paper. Discipline imposed: a mark of zero in the course, 4 month suspension and a notation on transcript. Appeal with respect to the severity of the disciplinary action and that the process leading to the decision of the president was unfair.

Appeal dismissed.

3. March 2006

Two students were disciplined for writing a midterm examination in another section under false names before writing a midterm in their own section. Discipline imposed: a mark of zero in the midterm, suspensions of 6 months and notations on transcripts. Appeal with respect to the severity of the disciplinary action, that the process leading to the decision of the president was unfair and misapprehension of the evidence relating to the two exams.

Appeal allowed to extent that period of suspension varied to 4 months and notation reduced to one year with automatic removal as of January 3, 2007.

The Chair wishes to thank the members of the Committee, and in particular, Mr. Robert Lowe and Dr. Susan Grayston for acting as co-Chairs in an appeal from the Faculty of Law, for their contributions to the Committee over this academic year.

Respectfully submitted,

Christine Boyle
Professor of Law
Chair of the Senate Committee on Student Appeals on Academic Discipline

April 25, 2006

From: Senate Committee on Student Awards, Vancouver

To: Senate

The Student Awards Committee recommends:

That Senate accept the awards as listed and forward them to the Board of Governors for approval; and that letters of thanks be sent to the donors.

Shelby L. BRUMELLE Memorial Graduate Scholarship: Scholarships totalling \$10,000 have been endowed in memory of Professor Shelby L. Brumelle by family, friends, colleagues and students. Shelby, a brilliant researcher who was dedicated to his students and supportive of his colleagues, was a professor in the Sauder School of Business for over thirty years. The awards, each valued at up to \$5,000, are for Ph.D. students in the Sauder School of Business who are recipients of a major competitive award, with preference to students in the Operations and Logistics Division. The awards are made on the recommendation of the School in consultation with the Faculty of Graduate Studies. (First awards available for the 2006/07 Winter Session)

Michael J. GOLDSTEIN Memorial Service Award: Awards totalling \$1,000 have been endowed by Pottinger Gaherty Environmental Consultants Ltd. and by friends and colleagues in memory of Michael J. Goldstein (B.Sc.A.1978, M.Sc.1984), whose passion for soils and environmental issues made the world a better place. The awards are intended for undergraduate or graduate students in good academic standing who have demonstrated excellence in fields such as community service, student leadership, and volunteerism. Preference is given to students whose studies focus on the environment, soil conservation/contamination or issues surrounding social justice. The awards are made on the recommendation of the Faculty of Land and Food Systems. (First awards available for the 2006/07 Winter Session)

Julie HAMILTON Women's Ice Hockey Award: One or more awards, which may range from a minimum value of \$500 each to the maximum allowable under athletic association regulations, are offered to outstanding members of the Thunderbird Women's Ice Hockey team in any year of study. Awards are made on the recommendation of the President's Athletic Awards Committee to outstanding students who have demonstrated excellent leadership skills and maintained good academic standing. (First awards available for the 2006/07 Winter Session)

Barbara HOWARD Award in Commerce: A \$1,250 award has been endowed in honour of Barbara (Leith) Howard (B.Com.1959) for a student completing the third year of a Bachelor of Commerce Program in the Finance Option, with preference for a student who has demonstrated an interest in Securities and Investment Management. Candidates for the award should have achieved a high level of academic success and participated meaningfully in campus community life and student activities. Financial need may be taken into account. The award is made on the recommendation of the Sauder School of Business. (First award available for the 2005/06 Winter Session)

The HUNG Hing Ying and Leung Hau Ling Charitable Foundation Graduate Scholarship: Scholarships totalling \$30,000 are offered by The Hung Hing Ying and Leung Hau Ling Charitable Foundation for graduate students in the Master of Arts – Asia Pacific Policy Studies

(M.A.P.P.S.) Program to support the costs of study, internship and travel for research. Preference is given to students who are not Canadian citizens or Permanent Residents. The awards are made on the recommendation of the M.A.P.P.S. Teaching Committee in consultation with the Faculty of Graduate Studies. (First awards available for the 2006/07 Winter Session)

Martin and Mary Bernice KLEMANSKI Scholarship in European Studies: Scholarships totalling \$1,300 have been endowed by Martin and Mary Klemanski for students in European Studies. The awards are made on the recommendation of the Faculty of Arts. (First awards available for the 2006/07 Winter Session)

Mona LEITH Memorial Scholarship: Scholarships totalling \$1,300 have been endowed through a bequest by Mona Leith for undergraduate students in any year or faculty. (First awards available for the 2006/07 Winter Session)

H. Norman LIDSTER Prize in Documentary Filmmaking: A \$600 prize has been endowed through a bequest by Freda Bruce Springate in memory of her father, who was a documentary filmmaker, for an outstanding documentary film student in the Film Production program within the Department of Theatre, Film and Creative Writing. The award is made on the recommendation of the Department. (First awards available for the 2006/07 Winter Session)

Robert McGAVIN Thunderbird Debating Award: One or more awards, which may range from a minimum value of \$500 each to the maximum allowable under athletic association regulations, are offered to outstanding members of the Thunderbird Debating Team in any year of study. Awards are made on the recommendation of the President's Athletic Awards Committee to outstanding students who have demonstrated excellent leadership skills and maintained good academic standing. (First awards available for the 2006/07 Winter Session)

MERRICK Architecture Bursary for Architectural Studies: Bursaries totalling \$1,000 are offered by Merrick Architecture to students in need of financial assistance who are enrolled in the Master of Architecture Program or the Master of Advanced Studies in Architecture Program. (First awards available for the 2006/07 Winter Session)

MERRICK Architecture Graduating Prize: A \$1,500 prize is offered by Merrick Architecture to a student graduating from the Master of Architecture Program or the Master of Advanced Studies in Architecture Program, based on his or her achievement in architectural studies. The award is made on the recommendation of the School of Architecture and Landscape Architecture. (First award available for the 2006/07 Winter Session)

Dale OHMAN Men's Volleyball Award: One or more awards of a minimum value of \$500 each are offered to outstanding members of the Thunderbird men's varsity volleyball team in any year of study. Awards are made on the recommendation of the President's Athletic Awards Committee to outstanding students who have demonstrated excellent leadership skills and maintained good academic standing. (First awards available for the 2006/07 Winter Session)

Kiran van RIJN Memorial Rowing Award: One or more awards, which may range from a minimum value of \$500 each to the maximum allowable under athletic association regulations, are offered to outstanding members of the Thunderbird Rowing Crew in any year of study. Awards are made on the recommendation of the President's Athletic Awards Committee to outstanding students who have demonstrated excellent leadership skills and maintained good academic standing. (First awards available for the 2006/07 Winter Session)

R.R. SMITH Bursary in Education: Bursaries totalling \$2,500 have been endowed by the R.R. Smith Foundation for students in good academic standing who have previously earned an undergraduate degree and are taking further studies leading to a Bachelor's degree in the Faculty of Education. (First awards available for the 2006/07 Winter Session)

Edward and Miriam SILBER Memorial Graduate Scholarship: A \$10,000 scholarship has been endowed in memory of Mr. Edward and Mrs. Miriam Silber by Dean Frieda Granot, her family, and The University of British Columbia. Edward and Miriam Silber were the beloved parents of Dean Frieda Granot and Dr. Dvora Barnea and dedicated their lives to the education of their children. The award is given to a Ph.D. student in the Sauder School of Business, with priority to a student in the Operations and Logistics Division. The award is made on the recommendation of the School in consultation with the Faculty of Graduate Studies. (First award available for the 2006/07 Winter Session)

Freda SPRINGATE Graduating Prize for Excellence in Film: A \$600 prize has been endowed through a bequest by Freda Bruce Springate for an outstanding graduating student in the Film Production Program within the Department of Theatre, Film and Creative Writing. The award is made on the recommendation of the Department. (First awards available for the 2006/07 Winter Session)

SUNSTAR Butler G-U-M Scholarship in Dental Hygiene: A \$1,000 scholarship is offered by Sunstar Butler G-U-M to a student entering the third or fourth year of the Dental Hygiene Degree Program. The award is made on the recommendation of the Faculty of Dentistry. (First award available for the 2006/07 Winter Session)

SUNSTAR Butler G-U-M Bursary in Dental Hygiene: A \$3,000 bursary is offered by Sunstar Butler G-U-M to a student in the Dental Hygiene Degree Program who is in need of financial assistance. (First award available for the 2006/07 Winter Session)

SUNSTAR Butler G-U-M Bursary in Dentistry: A \$3,000 bursary is offered by Sunstar Butler G-U-M to a student in the D.M.D. Program who is in need of financial assistance. (First award available for the 2006/07 Winter Session)

TALISMAN Energy Scholarship in Chemical Engineering: A \$9,000 scholarship has been endowed by Talisman Energy for a student entering third year in the Chemical Engineering Program in the Faculty of Applied Science, with preference for a student with a high academic average and a demonstrated interest in the energy sector. The award is made on the recommendation of the Faculty. (First award available for the 2006/07 Winter Session)

TALISMAN Energy Scholarship in Mechanical Engineering: A \$9,000 scholarship has been endowed by Talisman Energy for a student entering third year in the Mechanical Engineering Program in the Faculty of Applied Science, with preference for a student with a high academic average and a demonstrated interest in the energy sector. The award is made on the recommendation of the Faculty. (First award available for the 2006/07 Winter Session)

TAX Executive Institute Vancouver Chapter Scholarship: A \$2,000 scholarship is offered by the Vancouver Chapter of the Tax Executive Institute to an outstanding undergraduate student entering the fourth year of the Accounting or Finance Options in the Sauder School of Business who is enrolled in or has completed at least two tax-focused courses such as COMM 355, COMM 357 or COMM 452. The award is made on the recommendation of the School. (First award available for the 2006/07 Winter Session)

Dena WOSK Scholarship in Music: A \$1,000 scholarship has been endowed by Drs. Mordehai and Hana Wosk and their sons, Ariel and Daniel, in memory of their mother and grandmother, Dena Wosk, an accomplished violinist. The award is made on the recommendation of the School of Music to a student studying stringed instruments who demonstrated extraordinary promise. The donors' initial contribution of \$10,000 to endowment principal was matched by the Faculty of Arts. (First award available for the 2006/07 Winter Session)

Previously-Approved Awards With Changes in Terms or Funding Source:

Award 02271 David Nikkel Memorial Prize in Engineering Design – (revised description) A \$300 prize has been endowed in memory of David Wesley Nikkel (B.A.Sc.'95) by friends and colleagues. David (1971–1996), a victim of a SCUBA diving accident at Whytecliff Park in West Vancouver, was an adventurer, a musician and a committed Christian man. David's generosity, sincerity and undying spirit have a profound and ongoing effect on the lives of his family, friends and all who knew him. In rewarding creativity above academic achievement, the prize recognizes David's own creativity and passion for nurturing new ideas. It is awarded on the recommendation of the Department to an undergraduate student in Mechanical Engineering excelling in creative design.

How amended: The terms of the award remain unchanged but Mr. Nikkel's friends and family have asked that some biographical information be added to the very basic description originally approved by Senate in 1997.

Award 05637 Scotiabank Prize in Family Practice – (revised description) Four prizes of \$500 each are offered by Scotiabank to students in the M.D. Program for academic and clinical excellence in the area of Family Practice. The awards are made on the recommendation of the Faculty of Medicine in consultation with the Department of Family Medicine.

How amended: With the permission of the donors, the following sentence has been deleted from the original terms: "One prize is awarded to a student completing each of first and second year, while two prizes are awarded to students completing third year." The Faculty found that allocating a specific amount of prize money to each year of study was working against their goal of recognizing the best overall candidates. For example, two of the best candidates might be completing second year for which there was only a single prize. The revised description allows the faculty to allocate the prizes to the best candidates without reference to year of study.



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Senate Teaching and Learning Committee

May 4, 2006

Recommendations Regarding Student Evaluation of Learning Experiences

Background

In May 2005 the Senate received a report that outlined an initiative to support the improvement of educational processes at UBC. The initiative entitled the SHINE 2010 Program (Student Horizons in Education) is directed by Dr. Anna Kindler the AVP Academic Programs. SHINE includes a number of key strategies directed toward:

:

- improved review processes
- better assessment of teaching and learning in all periodic reviews
- trained teaching assessors on tenure/promotion committees
- new funding initiative to help units improve education
- reconsideration of titles for teaching faculty
- review of hiring procedures to ensure quality undergraduate education
- encouragement of effective mid-term student feedback to professors
- greater recognition of excellence in teaching
- enhanced provisions for resolving teaching performance failure
- further improvement of professional development courses
- training and assessment of all TA's before they commence teaching
- support for scholarship of teaching and learning

To facilitate the improvement of student evaluation of teaching, Dr. Kindler struck a committee in the Fall of 2005 (Committee of Student Evaluation of Teaching) whose task it was to make recommendations for a prototype of a student evaluation form, and to provide recommendations regarding the process for data collection and analysis. The report was then forwarded to the Senate Teaching and Learning Committee for consideration (see attached report).

Recommendations

The Senate Teaching and Learning Committee reviewed the report and in general support the approach outlined and has distilled key recommendations from this report. While the report recommends that “an independent office be established that will provide the organization, coordination, and expertise required of a university-wide evaluation system,” at this time we do not believe that a new independent office is required to oversee this work. Instead we take the view that existing structures should be used to support this work. Recognizing that the student evaluation of teaching is but one important element in the process that ensures an outstanding learning environment, the committee recommends that at this time the Senate endorse the following recommendations:

To ensure a quality learning experience is obtained by students at UBC we recommend that:

1. Every course (learning experience) be evaluated at UBC every time it is offered including those offered to undergraduate, graduate and continuing studies students.
2. The approach to student evaluation of teaching be student-centred (i.e., ultimately improving the learning experience) – that is, it must provide a mechanism for receiving reliable and valid data from students on a range of topics related to *their* learning experiences.¹
3. A "modular"² multi-perspective design be adopted that takes into account the multiple stakeholders in need of data (teachers, departments, faculties, and central administration). Each stakeholder will have items of interest for inclusion in the evaluation form.
4. The approach used be directed toward continued quality improvement, via carefully planned dissemination, feedback, and response strategies, so that the data can be used to improve the learning environment.
5. The approach adopted includes mechanisms for effective midterm feedback to professors.
6. An implementation and analysis committee be struck to implement these recommendations with a report back to Senate by December 2006. The committee to be co-chaired by the AVP Academic Programs and the Chair of the Senate Teaching and Learning Committee. Membership of the committee to include: the Director of TAG, the Director of the Office of Learning Technology, an expert in item construction and measurement, members of Senate (including student members and members of the Senate Teaching and Learning Committee), the VP

¹ It is recognized that student evaluation is one element of the evaluation process. Other components include self-evaluation and peer-evaluation.

² By modular we mean that the evaluation will be organized according to groups of questions that address the needs of specific constituencies: central administration, faculties, instructional units, individual instructors and students.

Academic of the AMS, and a member who has served as a Dean or Department Head.

7. The implementation and evaluation committee be asked to see that a mechanism be developed to facilitate electronic data gathering.

Respectfully submitted:,

Joy Johnson, Chair
Teaching and Learning Committee

Committee on Student Evaluation of Teaching

Report and Recommendations

Submitted to Dr. Anna Kindler, Associate Vice President, Academic Programs

December 19, 2005

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Committee on Student Evaluation of Teaching (SEOT)

Report and Recommendations

Overview

Why Another Analysis of Student Evaluations of Teaching?

Continuous improvement of teaching practices requires the continuous supply of useful data on the effectiveness of those practices. Over time, universities have developed a large collection of instruments with which to collect these data. UBC, like most universities, has no shortage of these instruments currently in use. The fundamental question addressed in this report is: How can all the constituencies at UBC be better served by the current plethora of student surveys of teaching effectiveness?

To answer this question, we have proposed a survey model featuring a module for each of the constituencies involved (University, Faculty level, Academic Unit, and Instructor). Students, arguably the most important constituency, are the central focus of each module.

Unique Contributions of This Report

Ours is not the first UBC committee to review student evaluations of teaching. Previous committees have made sensible recommendations regarding the nature of the items that should be included and the process by which the items should be administered. So what is unique about our recommendations?

We believe our model, which recommends a modular approach to the construction of student surveys of teaching effectiveness, can represent a unique contribution to the way in which student data are collected and used. The potential strengths of this model are outlined in the section entitled “Modular Design” under “Rationale.” We believe that the modular approach achieves at least three objectives: (1) it engages all constituents more thoroughly, thus increasing buy-in from Faculties and instructors; (2) it encourages greater improvement of teaching by allowing for tailored instructor-centered feedback; and (3) it acknowledges a wider array of teaching and learning contexts.

By creating modules for the major constituents of the evaluation process, the model invites the creation and use of specific items yielding the data that the University, the Faculties, instructors, and students need to make judgements about teaching quality and to continually improve it.

Introduction

Composition and Mandate of Committee

The Committee on Student Evaluation of Teaching was struck in conjunction with SHINE 2010 (Student Horizons in Education). SHINE 2010 seeks to both continually improve teaching effectiveness at UBC and measure that effectiveness. It is this second objective that motivated the creation of the Committee on Student Evaluation and Teaching.

Committee members:

- Gavin Dew, Vice-President Academic and University Affairs, Alma Mater Society
- Frank Echols, Coordinator Standing Committee for Evaluation of Teaching, Faculty of Education
- Joy Johnson, Professor and Associate Director - Research & Graduate Programs, School of Nursing, Faculty of Applied Science,
- Michelle Lamberson, Director, Office of Learning Technology
- Anka Lekhi, M.Sc. student, Department of Chemistry
- Jaymie Matthews, Associate Professor, Physics and Astronomy Department, Faculty of Science
- Gary Poole, Director & Associate Professor, Centre for Teaching and Academic Growth
- Martin Schechter, Head & Professor, Health Care and Epidemiology, Faculty Medicine
- Allen Sens, Senior Instructor, Political Science Department, Faculty of Arts
- Administrative support: Sarah Rosenthal, Office of the Associate Vice-President, Academic Programs

The Committee's mandate:

- to recommend a prototype of an evaluation form;
- to provide recommendations regarding the process for data collection and analysis
- to provide these recommendations by the end of the Fall, 2005 term

Note that this was not a research committee in that we were not charged with the task of designing a research project to identify new survey items, new implementation methods, or correlations among items and student performance. Rather, it was acknowledged from the outset that a considerable amount of research had already been conducted in these areas and it was this committee's task to use this research to help inform the requested recommendations.

The Student Evaluation of Teaching Working Group held 7 meetings between September and December, 2005.

Scope and Brief History of Reviews of Student Evaluations of Teaching at UBC

Several UBC committees have discussed student evaluations of teaching over the last 15 years. In 1991, a Senate Ad Hoc Committee on Teaching Evaluation recommended improvements to the handling of teaching evaluations. A subsequent committee reported in 1996 that improvements had occurred since 1991, but more changes were needed. In 1997, a subcommittee of the Committee of Deans examined and reported on teaching evaluations. In 1997, the Senate struck an Ad Hoc Committee on Teaching Quality, Effectiveness, and Evaluation, which reported in 1999. In addition to recommendations regarding process, past committees have provided useful examples of items that can be included in a student survey of teaching. Some of those are included in the current report as examples within our recommended modules. Overall, however, adoption of recommendations from past committees has been only partial and change has been relatively slow.

The Proposed Model

Operating Principles and Objectives

The UBC SEOT committee established a set of operating principles and objectives for student evaluation of teaching at UBC based on previous UBC experience, the efforts of comparable institutions in North America, and the deliberations of the committee.

- 1) **Serving the constituencies.** The first operating principle of the committee is that any UBC SEOT system should serve five constituencies:
 - the central administration;
 - the faculties;
 - the instructional units;
 - individual instructors; and
 - students.

The committee adopted a “modular” approach to addressing the needs of these constituencies (for more discussion of the modular approach see “Modular Design” below). Each constituency will have its own “module” within the SEOT form with the exception of students (see the second operating principle below). Each module will be composed of questions to be asked of students.

- 2) **A student-centered process.** The second operating principle of the committee was that the entire SEOT structure was to be student-centered. That is, the SEOT had to be a mechanism through which all constituencies could receive reliable and valid information and feedback from students on a wide range of topics that relate to their learning experience at UBC. As such, constituents must seek student input regarding the content of each module.
- 3) **Constituency “ownership”.** The third operating principle of the committee was that the constituents should have a decisive role in the composition of the questions on the UBC SEOT. Such a “bottom-up” process would ensure that all constituents could have their own unique SEOT needs represented. The committee believes that pre-existing Faculty and

departmental student evaluation forms, with or without modifications, could become the respective modules in the SEOT framework.

- 4) **Retain the opportunity for additional (non-routine) responses.** The fourth operating principle was that all constituents should have the opportunity to add additional, constituency specific questions to the SEOT form, either in questionnaire or open-ended format.
- 5) **An instructor-centered component.** The committee believed that individual instructors should have the ability to ask students specific questions about pedagogy, technique, class activities, etc. in their own, dedicated module that would be used entirely for feedback on subjects unique to their own instructional practices and innovations.
- 6) **A university-wide implementation strategy.** An implementation process involving stakeholders, staff, and UBC administration will be necessary to achieve “buy-in” and the support required to make the UBC SEOT a success.

Modular Design

Rationale

The committee adopted a “modular” approach to the design of a SEOT form in order to serve the needs of the five constituencies noted above. Each constituency (with the exception of students, as the entire form is student centered) will have its own “module” within the SEOT form, and be responsible for providing the questions to be asked of students. Therefore, the form will consist of four modules of questions:

1. the central administration;
2. the faculties;
3. the instructional units; and
4. individual instructors.

Each module will be dedicated to questions relevant to that specific constituency. This approach was adopted for the following reasons:

- 1) **To ensure all constituencies are served.** Different constituencies will have different questions to ask of students. By adopting a modular approach, the SEOT form will be able to gain feedback from students on the entire learning experience at UBC.
- 2) **To ensure constituency “ownership”.** By emphasizing that the questions for each module are to be provided by the constituents (i.e., by central, the faculty, units, and individual instructors), the modular approach allows each constituency to have ownership and responsibility for the questions asked of students, as determined by their own needs and desires.
- 3) **To allow for more instructor-centered feedback.** A modular approach will permit instructors to ask course-specific questions of their students, related to pedagogy, classroom technique, course materials, assignments, new teaching innovations, instructional technologies, and any other questions related to specific courses. This module will permit a greater capacity for instructors to gain useful, pedagogy- and objective-specific feedback from students.

- 4) **Flexibility.** A modular approach is inherently flexible, allowing some modules to be used at different frequencies or times of the year, or delivered to different samples of students for more specific feedback.

Description

As illustrated in Figure 1 and discussed above, the evaluation instrument is envisioned as a 4-module form, with a preliminary section for instructions. Modules 1-3 are composed 2 sections in each. Module 4 is optional, and may be used by the course instructor(s) for feedback on specific strategies or techniques in support of ongoing scholarly efforts.

THE UNIVERSITY OF BRITISH COLUMBIA TEACHING AND LEARNING ASSESSMENT FORM			
<div style="text-align: center;"> INSTRUCTIONS Personal Data: Faculty; Course; Year of standing; gender </div>			
MODULE 1 UNIVERSITY-WIDE LEARNING EXPERIENCES Items submitted by central administration.		MODULE 2 FACULTY-SPECIFIC LEARNING OUTCOMES Items submitted by Faculties	
Section 1 Instructor effectiveness items suitable for all teaching contexts. <i>Included in all surveys</i>	Section 2 Items related to general university learning experience. <i>Administered to a sample group, or only submitted once per term</i>	Section 1 Items addressing educational experiences specific to a Faculty. <i>(e.g., perceived relevance of course to degree or career plans)</i>	Section 2 Items assessing Faculty-specific teaching goals and learning outcomes. <i>(e.g., critical thinking skills, literacy/numeracy skills)</i>
MODULE 3 UNIT-SPECIFIC LEARNING OUTCOMES Items submitted by departments and schools		MODULE 4 INSTRUCTOR SPECIFIC LEARNING OUTCOMES Items submitted by instructors	
Section 1 Items addressing instructor effectiveness, especially in areas of pedagogy common to the discipline <i>(e.g., "Socratic" plenaries, problem-based learning, team-based projects)</i>	Section 2 Items addressing instructor effectiveness within the course context. <i>(e.g., field trips, laboratory or clinical experience)</i>	OPTIONAL (Results reported to instructor only) This module asks students to evaluate instructor-specific pedagogy and is intended for professors to gain formative feedback for the purposes of refinement of pedagogy.	

Figure 1 A Visual Representation of the Modular Approach to Student Evaluations of Teaching.

Please note that there is no implied delivery method in this model. The survey should be capable of being distributed in a face-to-face or online setting, accommodating both on-campus and distance education contexts. From a technical perspective, this would require a system which is capable of producing a paper form, or a secure, web-based survey. Further technical considerations of such a system might (not an exhaustive list):

- Support a variety of levels of access, editing, and responding (roles such as student, instructor, academic administrators, system administrators, etc., who are able to perform different tasks based on the role);
- Support configuration by faculty, department and program;

- Allow individual instructors to modify questions and receive the results;
- Be configurable by academic year and term;
- Support courses with one or more instructors (e.g., for a course with two instructors, Modules 3 and 4 would be duplicated);
- Contain an item database that supports individual and unit repositories;
- Contain an item database capable of being shared across departments and programs;
- Be capable of integration with UBC's authentication/identity management system (Campus Wide Login or future equivalent);
- Support integration with UBC's major information systems and programs (Student Information System, Faculty Service Centre, Human Resources system, WebCT).

Several forms can be developed in the case of atypical yet recurrent teaching situations such as team-teaching. It is not necessary for one form to be all things to all people. Further research needs to determine if such a system exists, or, if not, the level of effort required to modify or develop a software program to support the proposed model.

Overlap in Item Domains

The modular approach to student survey design neither assumes nor dictates that the items one constituency would like to use must be completely different from another's. For example, it is entirely possible that the things central administration wants to know overlap with the things a Faculty wants to know. This could create some redundancy in the items presented to a given student. In survey construction, not all redundancy is undesirable, depending upon the wording of the instructions and the items, and the overall length of the survey. If redundancy is deemed undesirable, it can be reduced on the short-term and eliminated over time.

Step-wise survey development: One way to reduce redundancy is to have items for Module One (central administration) selected and distributed in advance of the selection of the items for the other modules. If there are items in Module One that answer questions a Faculty would otherwise have put in Module Two, they need not be repeated. A similar process could be adopted for Module Three, which pragmatically will probably develop from an instrument the department is already using. If there are items in the first two modules that make some department items unnecessary, they can be eliminated. Finally, the instructor-specific items can be added to augment those existing in Modules One through Three.

Learning from Redundancy: A potential challenge would arise if an item in one module addresses a topic that another constituency is interested in but does not like the way the item addresses the topic. For example, central administration might want to include an item assessing the extent to which students feel they have been treated with respect. A given department might also be interested in this issue, but wants to conceptualize respect as being multi-dimensional and thus ask questions about respect for ideas, respect for different learning styles, and so on. In these cases, the items can remain in the same survey until it is ascertained which items best serve the needs of the constituencies. If the individual department approach proves more useful and statistically robust, then central administration can adopt that approach for future measures of

respect. If both constituencies get different and useful information from their separate items, they should remain in the survey. Also, items that tap the same concept can be compared as one way to assess the accuracy of the survey.

Process Considerations

There are four major objectives to be served by a system of teaching evaluation:

- 1) To give the students an opportunity to be heard;
- 2) To provide instructors with summative and formative feedback about their teaching;
- 3) To provide administrators with teaching evaluation data for use in personnel decisions; and
- 4) To provide information to unit heads charged with the responsibility of monitoring the quality of instruction in their unit.

Teaching evaluations by students are an important part of an instructor's teaching portfolio, but student evaluations should only be part of a more comprehensive protocol for examining teacher effectiveness.

When "Student Ratings of Instruction" (SRI) are used for personnel decisions, instructors must have confidence in the instrument and the process. The first stage in the process assures that the instrumentation used is reliable and valid. This means that knowledgeable individuals are involved in item construction and are responsible for the establishment of form reliability and validity.

The second stage assures that the administration of the form meets acceptable practice. Students need to understand the gravity of the process: data collection conditions should be exam-like (where individuals are not influenced by others). Students should be given ample time to complete forms, specific procedures for the distribution and collection of the completed forms should be published and followed, and the data should be treated confidentially.

In the third stage, the data should be analyzed, summarized and reported in a systematic manner. The results should be transparent and equitably reported. Attributes such as class size, whether the course is required or elective, graduate or undergraduate, have consistently appeared in the literature as variables influencing SRI. A minimum number of respondents should be established, but not fewer than 5 (else too few for valid feedback and may compromise student identity). A representative number of respondents are required for a valid number of responses. Table 1 provides guidelines for acceptable (valid) return rates as published in the research literature.

Table 1 Minimum acceptable response rates for student evaluations of teaching

Class size	Minimum acceptable response rate
5-20	80%
21-30	75%
31-50	66% (75% recommended)
50-100	50% (66% recommended)
100+	50%

Regarding the interpretation of data at the administrator level, it is crucial that decision-makers understand the strengths and the limitations of the data; therefore, it is important that the information be placed in its proper context. A summary score of 3.8 for Dr. Blue may not be significantly different from a score of 4.1 for Dr. White, yet the latter is considered the "better" teacher. Some administrators might appreciate an opportunity for assistance in this area.

The reporting of the data must maximize its formative potential. Central administration, Faculties, academic units, and instructors must be privy to data generated by Modules One, Two, and Three. Instructors must have exclusive access to data from Module Four. Student must also have access to data that can help them make informed decisions regarding their programs and their learning.

The Way Forward

Recommendations Regarding Implementation

1. An Implementation and Analysis Committee should be struck, with input from the Senate Committee on Teaching and Learning and others. The principal mandate of this committee should be to design standards of survey implementation and to provide further recommendations regarding analysis, reporting mechanisms, and actions taken based on survey results.
2. The pros and cons of both face-to-face and web-based administration of the survey should be explored in detail. Our committee acknowledged literature indicating that response rates are currently unacceptably low for many web-based administrations. On the other hand, we also acknowledged the potential convenience of web-based administration (both for completion and analysis) and that students have become "web savvy" and thus expect web-based options for the completion of surveys and forms.
3. Consideration should be given to the administration of the University-wide module such that general items referring to educational experience are presented, via the web, to a large subset of the student body each term. These questions would address more general perceptions of students' experiences as learners at UBC.
4. Alternatively, University experience questions could be kept on the form for all students with

the instruction: “If you have already filled out this section this term in another course, please proceed to the next section.”

5. Students must be involved in the selection of items for this survey. In particular, their input should be sought for the modules addressing University-wide, Faculty-Wide, and unit criteria.

Recommendations Pertaining to the Instructor-Specific Module

1. A pool of items should be created and made available on the web for instructors to access for use in this module. Instructors could tailor these items to their specific teaching context.
2. The results of the Instructor-specific module should be for the formative use of the instructor and the dissemination of these results should be left to the discretion of the instructor.

Challenges

Buy-in: Ensuring the real and perceived validity and utility of student evaluations of teaching is contingent upon buy-in and engagement at all constituency levels. For administrators, a modularized model should provide access to aggregated institutional data on student perceptions of instructional quality and a flexible tool to measure key performance indicators in instruction. For instructors, personalized formative value must be reinforced in order to enhance the sense of a constructive exercise rather than an onerous burden or commoditization of instruction. Furthermore, sample items and workshops should be provided for instructors to reduce this perceived burden. For students, easy access to results (as a course selection determiner) and a sense of the multi-level impacts of evaluation outcomes will build engagement and interest. On an overall level, student evaluations of teaching must be widely regarded as a valuable component of an ongoing meta-dialogue on teaching and learning as vital components of UBC’s academic culture, and all relevant constituencies must be involved as early as possible in the planning and implementation process.

Response Rates: Regardless of the chosen mode of delivery, considerable efforts must be taken both to maximize response rates to provide an accurate and reliable estimate of instructor quality and to encourage engaged, reflective responses. With appropriate messaging and engagement, it should not prove necessary to provide incentives to respondents.

Support: The committee cannot reinforce strongly enough that this undertaking will not succeed without a clear commitment to providing adequate funding, resources, and administrative support on a capital and ongoing basis. This initiative must be adequately resourced to be successful; otherwise, the more things change the more they remain the same.

The Need for a Central Organizational Structure

We recommend that an independent office be established that will provide the organization, coordination, and expertise required of a university-wide evaluation system. Minimal staffing would include a Coordinator and with a support staff person. This could be a stand-alone office or it could be aligned with Planning and Institutional Research (PAIR). They would need office space and the necessary supplies and equipment for effective functioning. Primary responsibilities would include providing on-call expertise to academic units to assist with instrument development, processing and reporting of data, and workshops with administrators to

ensure valid and reliable interpretation of data. This unit may undertake scanning and reporting responsibilities by unit request or may eventually expand to serve a broader mandate, such as that conducted at the University of Washington and the University of Western Ontario. In keeping with the two components of the SHINE 2010 initiative (teaching support and good evaluation of educational impact) the recommended office can work closely with the Centre for Teaching and Academic Growth and the Office of Learning Technology, and other instructional development offices within the Faculties. However, to avoid conflict of interest, it must be structured so that we do not have the same people overseeing evaluation and providing teaching support.

Some Important Considerations Regarding the Evaluation of Teaching Assistants

This committee focused on recommendations regarding the structure and delivery of traditional end-of-term evaluations. However, UBC also needs a university-wide approach for obtaining feedback for all Teaching Assistants (TAs). TAs have a range of duties, from marking to leading tutorials or labs to running entire courses. Because of this range, as well as the specific professional needs of TAs, applying a consistent model campus-wide for assessing the teaching activities for all TAs should be further explored.

In many courses, TAs are the main one-on-one contact that students have with a teacher. Thus, in order for UBC to maintain high standards of teaching, there should be a clear assessment method of TA teaching activities. Evaluation forms serve to recognize excellence in teaching as well as identify areas of professional development. Having some consistent questions on an evaluation form allows for inter-departmental comparisons where perhaps different professional development methods are being used for TAs. Such comparisons can provide more information on effective professional development methods. Moreover, some departments hire graduate students whose current area of study is outside the department, so it would be useful to have comparable evaluation forms for hiring purposes.

However, what will such an assessment look like? The following are just a few questions that need to be considered before a recommendation can be submitted:

How closely related should the TA evaluation form be to a faculty evaluation form? What are the benefits and drawbacks to having the two types of forms look similar? In terms of including graduate students among the UBC teaching community, the evaluation form could contain more uniformity between all members of the community. However, TAs may have different teaching duties and themselves may have distinct professional needs.

Should all TAs be evaluated by students or just the ones who interact with students? Should there be a common form for all TAs in a department? One common form may not be appropriate for all TAs in a department because of the various duties. Is a common form among TAs performing the same task more appropriate? Some departments have used a separate evaluation form for their Problem Based Learning Tutors.

Can the recommended modular model be applied with a set of core university-wide questions followed by questions from the faculty and then the departments, finally TA-specific questions? Many TAs are not given the opportunity to ask specific questions so it may prove beneficial for graduate students looking to enhance their professional development. If the recommended modular model is applied, what questions from each section will be the same or different from

other evaluation forms? For example, TAs who lead tutorials may have a question on the evaluation form which addresses how well the tutorial helped students clarify the course material. Other TAs who teach in a laboratory setting may have questions asking how well the TA promoted inquiry based learning.

Finally, how should the evaluation be implemented for TAs? Should TA evaluations be publicized? What happens when an area of professional development is identified? Will TAs be required to take a training session? For departments where there are more TAs than positions, evaluations can be used for hiring and for departments where there are more positions than TAs, evaluations can be used for placement.

Across universities, teaching is being given greater emphasis in hiring procedures and a commitment should be made to our own graduate students such that they receive the teaching development opportunities that make them attractive job candidates. A well-thought out, planned method to evaluate the teaching activities of TAs is a way to help identify such professional development areas and would benefit both undergraduates, many of whom are taught by graduate students, and our graduates who may be seeking teaching-related jobs. In this pursuit, detailed and comparable evaluations would be a great addition to their teaching portfolio.

Summary

This report proposes a modular design approach to student evaluations of teaching. Such an approach will increase both buy-in for and benefit from a process that occupies considerable time and energy at UBC. The proposed approach will require dialogue within and among the various constituencies. It will also require the dedication of adequate resources to make it work and convince those constituencies that the dialogue and process will be worthwhile. This committee believes both the dialogue and resources will: (1) help ensure that all academic programs meet the highest standards of excellence; (2) support innovations and improvements in teaching; and (3) enable UBC to achieve its goal of becoming one of the world's best institutions of higher education.

THE UNIVERSITY OF BRITISH COLUMBIA



Enrolment Services
Senate & Curriculum Services
Brock Hall
2016-1874 East Mall
Vancouver, BC V6T 1Z1

May 5, 2006

To: Senate
From: Tributes Committee
Subject: Emeritus and Emerita Status

The Tributes Committee recommends approval of the following motion:

That Senate approve the attached list of individuals for emeritus or emerita status.

Respectfully submitted,

Dr. Sally Thorne
Chair
Senate Tributes Committee

Faculty Members Eligible for Emeritus/Emerita Status June 30, 2006

Retirements June 30, 2006

Adam-Moodley	Kogila	Dr	Faculty of Education	Dept of Educational Studies	F	Professor
Boothroyd	Peter D	Prof	Faculty of Graduate Studies	Comm & Reg'l Plan, School of	M	Professor
Chow	Anthony W C	Dr	Faculty of Medicine	Infectious Diseases Division	M	Professor
Comisarow	Melvin	Dr	Faculty of Science	Chemistry	M	Professor
Dawson	Anthony B	Dr	Faculty of Arts	English	M	Professor
De Wreede	Robert E	Dr	Faculty of Science	Botany	M	Professor
Eaves	Allen C E	Dr	Faculty of Medicine	Hematology Division	M	Professor
Elliott	Brian	Dr	Faculty of Arts	Anthropology & Sociology	M	Professor
Freeman	Neil Henry	Prof	Faculty of Arts	Theatre, Film & C Writg (Theatre)	M	Associate Professor
Gilbert	John H V	Dr	Faculty of Medicine	Audiology and Speech Sciences	M	Professor & Principal
				College of Health Disciplines		
Godolphin	William J	Dr	Faculty of Medicine	Comm & Reg'l Plan, School of	M	Professor
Ho-Yuen	Basil	Dr	Faculty of Medicine	Obstetrics & Gynaecology	M	Professor
Johnson	Graham E	Dr	Faculty of Arts	Anthropology & Sociology	M	Professor
Jones	David R	Dr	Faculty of Science	Zoology	M	University Killam Professor
Kerekes	Richard	Dr	Faculty of Applied Science	Chemical & Biological Engineering	M	Professor
Marantz	Paul J	Dr	Faculty of Arts	Political Science	M	Professor
Pendray	Margaret R	Dr	Faculty of Medicine	Paediatrics	F	Associate Professor
Priddy	Robert W	Dr	Faculty of Dentistry	Oral Biological & Medical Sci	M	Assistant Professor
Riches	Graham	Prof	Faculty of Arts	Social Work & Family Studies	M	Professor
Rubio-Delgado	Isaac	Dr	Faculty of Arts	French, Hispanic & Italian Std	M	Associate Professor
Studney	Donald R	Dr	Faculty of Medicine	Medicine Department	M	Associate Professor
Tang	Gloria Mann	Dr	Faculty of Education	Language & Literacy Education	F	Associate Professor
Van Netten	Christiaan	Dr	Faculty of Medicine	Health Care and Epidemiology	M	Professor
Weeks	Gerald	Dr	Faculty of Science	Microbiology	M	Professor

Resignations / Early Retirements

Brown	Daniel J	Dr	Faculty of Education	Educational Studies	M	Professor
Diebolt	Robert David	Mr	Faculty of Law	Faculty of Law	M	Assistant Professor
Iverson	Theresa	Ms	VP Academic & Provost	Library - Fine Arts Division	F	General Librarian
Heino	Dan R	Mr	VP Academic & Provost	Library - Life Sciences Division	M	General Librarian
McErlane	Keith M J	Dr	Fac. of Pharmaceutical Sciences	Fac. of Pharmaceutical Sciences	M	Professor
Staniszakis	Joanna	Ms	Faculty of Land & Food Systems		F	Associate Professor
Borden	Carol Ann		Faculty of Science	Botany	F	Senior Instructor
Harrison	Paul J	Dr	Faculty of Science	Earth and Ocean Sciences	M	Professor
Haycock	Kenneth Roy	Dr	Faculty of Arts	Libry Arch & Info Studies, Sch	M	Professor

Clinical Emeritus/Emerita

Berstein	Victoria	Dr	Faculty of Medicine	Medicine Department	F	Clinical Professor
Buskard	Noel	Dr	Faculty of Medicine	Medicine Department	M	Clinical Professor
Chan	Robert M T	Dr	Faculty of Medicine	Medicine Department	M	Clinical Professor
Chan	Victor	Dr	Faculty of Medicine	Medicine Department	M	Clinical Associate Professor
Irvine	William	Dr	Faculty of Medicine	Family Practice	M	Clinical Associate Professor
Konkal	Peter John	Dr	Faculty of Medicine	Ophthalmology and Visual Sciences	M	Clinical Assistant Professor
Macdonald	Ian	Dr	Faculty of Medicine	Medicine Department	M	Clinical Associate Professor
Peck	Shaun	Dr	Faculty of Medicine	Health Care & Epidemiology	M	Clinical Associate Professor
Williams	Llewelyn K	Dr	Faculty of Medicine	Family Practice	M	Clinical Associate Professor

Last Name	First Name	Prefix	Sex	Job Title	Fclty Name
Adam-Moodley	Kogila	Dr	F	Professor	Faculty of Education
Boothroyd	Peter D	Prof	M	Professor	Faculty of Graduate Studies
Chow	Anthony W C	Dr	M	Professor	Faculty of Medicine
Comisarow	Melvin	Dr	M	Professor	Faculty of Science
Dawson	Anthony B	Dr	M	Professor	Faculty of Arts
De Wreede	Robert E	Dr	M	Professor	Faculty of Science
Eaves	Allen C E	Dr	M	Professor	Faculty of Medicine
Elliott	Brian	Dr	M	Professor	Faculty of Arts
Freeman	Neil Henry	Prof	M	Associate Professor	Faculty of Arts
Gilbert	John H V	Dr	M	Professor & Principal	Faculty of Medicine
Godolphin	William J	Dr	M	Professor	Faculty of Medicine
Ho-Yuen	Basil	Dr	M	Professor	Faculty of Medicine
Johnson	Graham E	Dr	M	Professor	Faculty of Arts
Jones	David R	Dr	M	University Killam Professor	Faculty of Science
Marantz	Paul J	Prof	M	Professor	Faculty of Arts
Pendray	Margaret R	Dr	F	Associate Professor	Faculty of Medicine
Priddy	Robert W	Dr	M	Assistant Professor	Faculty of Dentistry
Riches	Graham	Prof	M	Professor	Faculty of Arts
Rubio-Delgado	Isaac	Dr	M	Associate Professor	Faculty of Arts
Studney	Donald R	Dr	M	Associate Professor	Faculty of Medicine
Tang	Gloria Mann	Prof	F	Associate Professor	Faculty of Education
Van Netten	Christiaan	Prof	M	Professor	Faculty of Medicine
Weeks	Gerald	Dr	M	Professor	Faculty of Science
Diebolt	Robert David	Mr	M	Assistant Professor	Faculty of Law
Iverson	Theresa	Ms	F	General Librarian	VP Academic & Provost
Heino	Dan R	Mr	M	General Librarian	VP Academic & Provost
McErlane	Keith M J	Dr	M	Professor	Fac.of Pharmaceutical Sciences
Staniskis	Joanna	Ms	F	Associate Professor	Faculty of Land & Food Systems
Borden	Carol Ann		F	Senior Instructor	Faculty of Science
Harrison	Paul J	Dr	M	Professor	Faculty of Science
Haycock	Kenneth Roy	Dr	M	Professor	Faculty of Arts

Dept	Term Date	Birthdate	Locn Name
Dept of Educational Studies	6/30/2006	3/24/1941	Neville Scarfe Building
Comm & Reg'l Plan, School of	6/30/2006	3/26/1941	Lasserre Building
Infectious Diseases Division	6/30/2006	5/9/1941	Heather Pavilion
Chemistry	6/30/2006	5/30/1941	Chemistry Building
English	6/30/2006	5/15/1941	Buchanan Tower
Botany	6/30/2006	1/24/1941	Bio Sciences Bldg
Hematology Division	6/30/2006	2/19/1941	Laurel Pavilion
Anthropology & Sociology	6/30/2006	6/28/1941	Anthropology & Socio Bldg
Theatre, Film & C Writg (Theatre)	6/30/2006	2/1/1941	Frederic Wood Theatre
Audiology & Speech Sciences	6/30/2006	3/19/1941	James Mather Building
Pathology	6/30/2006	6/25/1941	Acute Care Unit
Obstetrics & Gynaecology	6/30/2006	6/6/1941	Willow Pavilion
Anthropology & Sociology	6/30/2006	5/15/1941	Anthropology & Socio Bldg
Zoology	6/30/2006	1/28/1941	Bio Sciences Bldg
Political Science	6/30/2006	5/28/1941	Buchanan Building Block C
Paediatrics	6/30/2006	4/13/1941	Childrens Hospital
Oral Biological & Medical Sci	6/30/2006	4/3/1941	John B. Macdonald Bldg
Social Work & Family Studies	6/30/2006	2/1/1941	School of Social Work
French, Hispanic & Italian Std	6/30/2006	6/15/1941	Buchanan Tower
Medicine Department	6/30/2006	4/24/1941	Koerner Pavilion
Language & Literacy Education	6/30/2006	1/6/1941	Ponderosa Annex E
Health Care and Epidemiology	6/30/2006	2/27/1941	James Mather Building
Microbiology	6/30/2006	2/5/1941	Life Sciences Centre
Faculty of Law		1/25/1943	
Library - Fine Arts Division		11/5/1949	
Library - Life Sciences Division		5/17/1950	
Fac. of Pharmaceutical Sciences		10/19/1942	
	8/31/2005	4/10/1944	
Botany	6/30/2005	8/6/1943	
Earth and Ocean Sciences	12/31/2002	1/11/1941	Atmospheric, Marine & Coast
Libry Arch & Info Studies, Sch	9/30/2005	2/15/1948	

Locn Addr1	Loc Zip/PC
2125 Main Mall	V6T1Z4
6333 Memorial Road	V6T1Z2
2733 Heather Street	V5Z1M9
2036 Main Mall	V6T1Z1
1873 East Mall	V6T1Z1
6270 University Blvd	V6T1Z4
910 West 10th Avenue	V5Z4E3
6303 NW Marine Drive	V6T1Z1
6354 Crescent Road	V6T1Z2
5804 Fairview Crescent	V6T1Z3
2211 Wesbrook Mall	V6T1Z3
855 West 12th Avenue	V5Z1M7
6303 NW Marine Drive	V6T1Z1
6270 University Blvd	V6T1Z4
1866 Main Mall	V6T1Z1
4480 Oak St	V6H3V4
2199 Wesbrook Mall	V6T1Z3
2080 West Mall	V6T1Z2
1873 East Mall	V6T1Z1
2211 Wesbrook Mall	V6T2B5
2034 Lower Mall	V6T1Z2
5804 Fairview Crescent	V6T1Z3
2350 Health Sciences Mall	V6T 1Z3
2323 Bellevue Avenue	West Vancouver, BC V7V 1C9
3031 Alma Street	Vancouver, BC V6R 3S9
302 - 868 West 16th Ave	Vancouver, BC V5Z 1T1
5671 Sherwood Place	Tsawassen, BC V4L 2C4
#414 - 1541 West 6th Avenue	Vancouver, BC V6J 1R1
602 - 1500 Haro Street	Vancouver BC V6G1G5
Hong Kong University of Science & Tech	Clearwater Bay, Kowloon, HONG KONG
101 - 1001 West Broadway, #343	Vancouver, BC V6H 4E4

THE UNIVERSITY OF BRITISH COLUMBIA



April 18, 2006

Vice President Academic and Provost
6328 Memorial Road
Vancouver, B.C. Canada V6T 1Z2
Tel: (604) 822-4948
Fax: (604) 822-3134

To: Senate
C/o Ms. Lisa Collins, Manager, Senate Secretariat

From: Lorne A. Whitehead
Vice President Academic and Provost

A handwritten signature in blue ink, appearing to be 'LAW', located to the right of the 'From' field.

Re: **Enrolment 2006/07**

I recommend that Senate approve Enrolment targets for 2006-07, as described in the following Enrolment Report.

Enrolment Report 2006-07

For the 2006/07 academic year, we plan to keep total undergraduate enrolment at UBC Vancouver near our actual enrolment for 2003/04, as was the plan for the past two academic years.

In this current academic year (2005/06) our undergraduate full-time equivalent (FTE) enrolment is at 28,309 which puts us 568 below our Provincial funded levels (as we have begun an internal process of moving from undergraduate to graduate any new undesignated FTE, consistent with the University's plan to expand graduate enrolment). Total graduate and undergraduate FTE is 34,678 which is 1,404 over our total funded target as we have, and expect to continue to have, significant numbers of unfunded graduate FTE.

Our target FTE for 2006/07 will be an undergraduate FTE enrolment of 28,416; this includes both FTE from Summer 2006, and FTE from the subsequent Winter session. We anticipate a headcount of approximately 32,851 students as of November 1st; headcounts are always higher than FTE enrolment due to the number students enrolled in fewer than 30 credits.

The government has continued to fund additional FTE enrolments in specific programs, including DTO students in computer science and engineering, pharmacy students, medical laboratory science students, and medical students. If designated targets are met, we believe it will also be necessary to increase intake in other programs to offset a modest reduction in continuing FTE which will occur primarily in the BA and BSc programs. Because our applicant pool has increased (especially in areas with high yield) we will likely not have to increase GPA to achieve higher intake targets. We have worked in consultation with Deans of the admitting Faculties to determine at which year level and at what number we may admit new students, and the subsequent tables reflect these decisions.

UBC Undergraduate FTE Enrolment: History, Funding, and Forecast

(FTE based on Normal Load)

	1997/98	1998/99	1999/2000	2000/2001	2001/02	2002/03	2003/04	2004/05	2005/06	Forecast 2006/07
Actual	24,440	25,075	25,674	25,568	27,366	28,017	28,344	28,174	28,309	28,415
change	1,010	635	599	(106)	1,798	651	327	(170)	135	106
Funded targets	24,075	24,430	24,916	25,446	25,976	26,716	27,230	28,068	28,877	29,045
change	140	355	486	530	530	740	514	838	809	168
increase in funded target includes:										
Nursing				20	40	50	30	32	48	48
Medicine					8	8	8	32	48	48
Northern Medical							0	24	24	24
Island Medical							0	24	24	24
Double the Opportunity (CPSC/ECE/ENPH)						264	264	264	264	51
Midwifery						20	10	10	12	12
Pharmacy						2	2	2	2	
Social Work							20	20	20	
On-line (BC Campus)						396	180	472	415	9
Undesignated enrolment target										
Actual - Funded (Undergraduate)	365	645	758	122	1,390	1,301	1,114	106	(568)	(630)
UBC Graduate FTE Enrolment: History & Funding										
(Annualized FTE)										
Actual	4903	4871	4930	4937	5091	5347	5680	6080	6369	6513
Change	-39	-32	59	7	154	256	333	400	289	144
Funded	4081	4081	4081	4081	4081	4132	4214	4321	4397	4417
change	139	0	0	0	0	51	82	107	76	20
increase in funded target includes:										
Double the Opportunity (CPSC & ECE) (included in total)						51			51	
MSN (Kamloops)							51	51		
Nurse Practitioner							16	16		
MSN (Lower Mainland)							15	15	15	16
Rehab Sciences								8	8	16
Audiology and Speech Sciences								2	2	4
Actual - Funded (Graduate)	822	790	849	856	1010	1215	1466	1759	1972	2096
Total Funded	28,156	28,511	28,997	29,527	30,057	30,848	31,444	32,389	33,274	33,462
Total Actual	29,343	29,946	30,604	30,505	32,457	33,364	34,024	34,254	34,678	34,928
Total Actual - Funded	1,187	1,435	1,607	978	2,400	2,516	2,580	1,865	1,404	1,466

THE UNIVERSITY OF BRITISH COLUMBIA



Vice President Academic and Provost

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MEMORANDUM

April 26, 2006

To: Senate
c/o Lisa Collins, Manager of Secretariat Services

From: Lorne A. Whitehead
Vice President Academic and Provost

Re: **Establishment of the Department of Anthropology and Department of Sociology, to replace the Department of Anthropology and Sociology**

Recommendation:

I recommend that Senate approve the establishment of two Departments - the Department of Anthropology and the Department of Sociology, in place of the Department of Anthropology and Sociology, effective July 1, 2006.

This proposal is forwarded to me by Dr. Nancy Gallini, Dean, Faculty of Arts.

Description:

Establishing these two new Departments in the Faculty of Arts will bring UBC into line with other major research universities in North America. Scholars in these two disciplines work in separate intellectual areas publishing in different journals and competing for research funding in separate categories. As well, students in each field pursue courses with relatively few overlaps, and seek higher degrees in Departments that are almost always separate. While both disciplines have much to offer interdisciplinary research and teaching, faculty at UBC more frequently do this in co-operation with other disciplines in the humanities and social sciences than with their counterparts in either anthropology or sociology. These new Departments will allow members to focus on core issues relevant to each discipline while choosing those opportunities for collaboration that make the most sense from their disciplinary perspective. Furthermore, three of the last four external reviews of the current Department have argued strongly in favour of separation.

Early in UBC's history, Anthropology and Sociology were linked with both Economics and Political Science. In 1955 Harry Hawthorn chaired a newly formed Department of Anthropology, Criminology and Sociology. In 1959, Criminology was included in the School of Social Work and the Department of Anthropology and Sociology then came into being.

Background:

On March 14, 2006, the Department of Anthropology and Sociology (AnSo) voted in support of a proposal to separate into autonomous departments, a Department of Anthropology and a Department of

Sociology. This majority decision was reached after considerable consultation and discussion among faculty, staff, graduate and undergraduate students over the past academic year. Furthermore, a majority of both anthropologists and sociologists supported the motion to separate.

Recent discussions leading to the present proposal stemmed mainly from the most recent External Review document. An open forum was held to discuss this review with Dean Nancy Gallini, Associate Dean Peter Ward, AnSo faculty, staff and student representatives held on November 18, 2005. By early January 2006, three options on the department's future had been developed and circulated for review. These options were discussed at the regular Department meeting on January 17 2006. Following this, an open forum for undergraduate students to discuss the three options was held on February 2. An open general forum for all faculty, staff and students in the department, and any interested individuals in the Faculty of Arts was held on February 12. On March 2, the Head met with the Department's administrative staff to review the options. Following these meetings, the Head consulted with the department faculty to determine whether they wished further forum discussion. The Head then met with the department's undergraduate student society, and the graduate student society; both groups indicated that they were satisfied with the consultations to date, and were prepared to register their opinions through the voting representatives to the department meeting. The Department administrative staff sent a joint memo to the Head on March 7, indicating their support of the option to separate into two units.

Following the department vote, a Notice of Motion to divide the department into a Department of Anthropology and Department of Sociology was presented at a Faculty of Arts meeting on March 28, 2006. The vote was overwhelmingly in favour of division.

Rationale:

The issue of division is not a recent one, and has been a topic of consideration at numerous times in the history of the department. Three External Reviews of the Department have argued for separation:

- April 1981: "... a solution will be enhanced if the Department is in fact divided into two departments, one encompassing anthropology and archaeology and the other sociology."
- March 2001: "Seriously consider the division of the present Department into two: a Department of Anthropology and a Department of Sociology."
- October 2005: "Our committee was also unanimous in the feeling that a split would be conducive to a quality improvement in both departments."

There are numerous scholarly and strategic advantages to separate into two departments, including:

- Anthropologists and sociologists mainly interact in separate intellectual circles, evidenced by distinct professional associations, scholarly journals, granting council categories, etc. Two separate disciplinary units will bring UBC in line with the norm at nearly all other top-flight research universities – Toronto, McGill, Alberta, and Queen's, all have distinct departments of Anthropology and Sociology, as do Berkeley, Stanford, Chicago, Michigan, Wisconsin, Harvard, and Princeton (among many others.). The recent European Commission-Shanghai Jiao Tong University Institute of Higher Education ranking shows that, of the top 50 universities in the world, only UBC (ranked 35th) has a combined department of Anthropology and Sociology. Also, none of the top 25 ranked North-Latin America universities (UBC ranked 29th) possess combined departments similar to the UBC situation.

- The creation of two new units was supported by three External Review committees, at least in part, because these committees thought this would enhance the ability of anthropologists and sociologists to engage in strategic planning that would enhance the quality of teaching, research, and service at UBC.
- The creation of a Department of Anthropology, and a Department of Sociology, will provide a stronger identity and voice for each discipline within the Faculty of Arts and within UBC as a whole. Issues and interests of the respective disciplines will be represented by academic experts in decision-making bodies. It will allow each unit to promote its own candidates for faculty positions, graduate scholarships, etc.—wherever the university or Dean's Office requires a single departmental voice.
- The creation of two new Departments will not impair interdisciplinarity insofar as it is already practiced by colleagues. It will enhance the integrity of the two respective disciplines, who will now speak with individual voices at the same decision-making tables.
- Two distinct departments will produce an efficiency gain, as only issues pertinent to the disciplines will be the focus of department discussion and action. Also, the creation of two units from the existing department will eliminate the complicated present structure that constrains the individual programs from reaching full development.
- Heads of a Department of Anthropology and a Department of Sociology with research and teaching experience in their respective disciplines will be better able to pursue potential hires. They will also be better able to preserve disciplinary integrity during departmental decision-making processes without eliminating important interdisciplinary linkages.

Implementation:

Pending approval from the various levels of administration, the two units would be established on July 1, acknowledging that a transition period will be necessary to fully implement all of the changes. Taking into account retirements and appointments effective July 1, 2006 the Department of Anthropology would have 21 faculty (18.4 FTEs), and the Department of Sociology would have 16 faculty (15.1 FTEs). A committee will be struck to draft a memorandum of understanding between the two new units to address issues of mutual concern (e.g., staffing, curriculum, and building space use.)

It is important for colleagues outside the Department to know that the anthropology and sociology minors, majors, honours, and graduate programs are sufficiently distinct; therefore, no curriculum changes are necessary for the separation to proceed.

THE UNIVERSITY OF BRITISH COLUMBIA



Vice President Academic and Provost
6328 Memorial Road
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MEMORANDUM

April 25, 2006

To: Senate
c/o Ms. Lisa Collins, Manager of Senate Secretariat Services

From: Lorne A. Whitehead
Vice President Academic and Provost

A handwritten signature in blue ink, appearing to be 'L. Whitehead'.

Re: **Proposal to Create the Department of Urologic Sciences, Faculty of Medicine**

Recommendation:

I recommend that Senate approve the creation of the Department of Urologic Sciences, in the Faculty of Medicine, effective July 1, 2006

Background:

The background and rationale for the proposal are provided in the attached document, submitted by Dr. Larry Goldenberg, Head, Division of Urology, Faculty of Medicine. The proposal has the support of Dr. Gavin Stuart, Dean of the Faculty Medicine; it was approved by the Faculty Executive on February 21, 2006; and it is anticipated it will be approved by the full Faculty Council at its meeting on May 11, 2006.

The formation of the new Department will not require new funding from either the Faculty of Medicine, or the University of British Columbia.

/cp

Attachment: Proposal for the Creation of a UBC Department of Urologic Sciences,
May 11, 2006



Proposal for the Creation of a UBC Department of Urologic Sciences

SUMMARY

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May 11, 2006

UBC and Vancouver are becoming leaders in the world of biologic sciences and biotechnology. In the past decade, the Division of Urology has demonstrated rapid programmatic growth, which in conjunction with translational initiatives, has allowed congruent progress on both the academic and clinical care delivery trajectories. A unique window of opportunity exists today as the division of Urology is poised to expand into more areas of biologic excellence within the academic context of the University of British Columbia Medical School and the Research Institutes of Vancouver Coastal Health, Providence Health Care and Children's and Women's.

In the current climate of restructuring and resources associated with many new initiatives, we believe the creation of the Department of Urologic Sciences will strengthen the entire Faculty of Medicine and the University of British Columbia by building on its community prestige and strengthening its status as a centre of excellence in clinical care, teaching and research. A high profile Department of Urologic Sciences will have control over its own destiny with increased visibility and networking abilities, increased self-determination, self-governance and increased UBC-wide recognition. This will result in the ability to grow and adapt without compromise and in an increased competitiveness to attract world-class academics, high quality teachers, the best students and extramural funding.

With a more direct linkage to the Dean, Faculty Executive and important administrative committees, Department status would strengthen Section leaders' ability to develop the academic and clinical aspects of paediatric/congenital illnesses, adolescent urology, genitourinary trauma and reconstruction, minimally invasive surgery and robotics, stone disease and endourology, renal transplantation, non-prostate genitourinary cancer, Men's Health (prevention, education, andrology, aging male issues, benign prostate illness, infertility and sexual dysfunction), and advanced genitourinary imaging (diagnostic and therapeutic). Over the next five years, a Department of Urologic Sciences will develop world-class multidisciplinary research and educational areas of emphasis in 1) bladder care, 2) laparoscopic surgery/robotics and renal transplantation 3) stones, biophotonics, laser science and nanotechnologies, and 4) Mens' Health. Strategic plans for these areas of excellence include aggressive recruitment, fundraising and large grant submissions, in the 'momentum slipstream' created by the prostate group. A significant Graduate training curriculum will be developed to provide state of the art education of PhD and Masters students within the construct of a formal Faculty of Medicine Translational Sciences Graduate Program. All of this will be more readily achievable in a high profile, independent Department.

A UBC Department of Urologic Sciences will benefit greater UBC, the people of BC, Canada and, indeed, the international community by becoming the hub of a transdisciplinary programmatic and translational approach to research, education and healthcare delivery.

The following summarize some of the important reasons for this proposed change in status:

Programmatic Growth: The construct of a Department of Urology will significantly increase the research, teaching and clinical service productivity of its fulltime and clinical faculty and its multidisciplinary teams within all 6 proposed Sections and it would release immense growth potential amongst all, both in Vancouver and at the distributed medical school sites. The status of a Department will act as a 'lightning rod' for recruitment of the best clinicians and scientists. A critical mass of faculty will be available to support the academic mission. The appointed leaders of each section will be given the opportunity and resources to develop and champion their areas of clinical and research excellence.

Profile: The Division has established a profile within the academic community and lay public for its successes in prostate research and education. The potential to achieve similar success in several other key foci will be facilitated by a more direct relationship with the Faculty. It is this profile that underlines all other areas of achievement.

Complexity: The Division of Urology is frankly too complex to be managed as a division. It requires a management structure to allow organized, efficient functioning at a Department level, with strong Sections and at least 3 strong, well-funded foci of academic excellence.

Diversity: The Division of Urology has become quite independent of the Department of Surgery over the past few years. It has little in common with the other divisions and acts as a very specific functional unit – its own recruitment funding, space, Centres of Excellence and disproportionate contribution of research dollars. Despite this, we do not have control over our own destiny.

Fundraising: A dynamic fundraising platform will become even more successful as donors will be able to recognize the foci of emphasis that are well-defined in this Programmatic, Translational Department matrix.

Linkages: As a Department, Urology will gain increased visibility of its research and clinical activities within the general academic communities of UBC and SFU/UVIC/UNBC. A Department of Urologic Sciences will reach outside of the walls of its hospital-based institutes and develop further partnerships across these campuses – physics, science, biology, zoology, pharmaceutical sciences, computer science, materials science, engineering, etc. We believe that a Department will collaborate with other surgical and medical groups throughout the institution for valuable strategic planning, administrative decisions and cross-fertilization.

Management: Having to go through an 'extra' layer of bureaucracy adds significant complexities to everyday management, financial issues and recruitment procedures. A Department will have a stronger chance of successfully negotiating an Academic Service Contract with the Health Authority and obtaining hospital-based resources for program expansion. A new Department structure will allow several younger members an opportunity to assume leadership positions, gaining valuable administrative opportunity and experience.

Prestige: Becoming a self-sufficient department will lead to significant prestige for its members. This will facilitate recruitment, retention and overall productivity. The success of our teaching and research programmes will increase the morale and overall job satisfaction of our faculty and staff.

The Division of Urology's proposed change to independent Department status will only strengthen the profile and reputation of an already outstanding, nationally recognized urologic program and enhance the academic distinction of UBC, and the medical school in particular. Additionally, the proposed change will serve as a magnet to attract the highest caliber of new physicians seeking to matriculate into the Urology Residency Program as well as superior faculty to train them. The Division of Urology has been in an era of substantial growth over the past ten years which is expected to continue for the foreseeable future. A Department of Urologic Sciences will result in very significant scholarly gains in basic, clinical and educational venues.

Mission: To achieve and maintain excellence in urologic research, teaching and patient care.

Goals: The Department of Urologic Sciences will strive to:

- Support and strengthen the pillars of UBC's Trek 2010 vision: people, learning, community service, research and internationalization
- Provide a provincial hub for health research and education and policy making; Focus on health as well as illness.
- Identify, design, conduct, analyze and report research relevant to the diseases of the genitourinary tract (prostate, kidneys, bladder, genitals)
- Translate basic science research evidence directly to clinical research and eventually improve clinical care, elevating these functions to an internationally superior level
- Provide state of the art, evidence-based healthcare delivery to the regional, provincial, national and international communities through an integrated, interprofessional team
- Implement multidisciplinary and transdisciplinary partnerships within UBC, other universities, hospitals and all levels of government, to facilitate the mission.
- Become a sought-after destination for clinical and research trainees and scientists committed to the study and management of genitourinary diseases.
- To provide comprehensive undergraduate, graduate, postgraduate and continuing health education
- Strengthen the entire Faculty of Medicine through its overall mission