



Vancouver Senate Secretariat

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

Vancouver Senate

AGENDA

THE SEVENTH REGULAR MEETING OF THE VANCOUVER SENATE

WEDNESDAY, MARCH 28, 2007

7:00 P.M.

**ROOM 102, GEORGE F. CURTIS BUILDING (LAW), 1822 EAST MALL,
VANCOUVER CAMPUS**

- 1. Senate Membership (information) -- Secretary Brian J. Silzer**
 - a. Replacements
Dr. Peter Ward, University Librarian *pro tem.* replaces Ms. Catherine Quinlan
The Rev. Dr. Stephen Farris replaces Dr. Wendy Fletcher as representative from Vancouver School of Theology
 - b. Student Senators completing their terms on March 31, 2007: presentation of certificates of appreciation
- 2. Minutes of the Meeting of February 28, 2007-- President Stephen J. Toope**
(approval) (circulated)
- 3. Business Arising from the Minutes -- President Stephen J. Toope**
- 4. Remarks from the Chair and Related Questions -- President Stephen J. Toope**
- 5. Academic Building Needs Committee -- Dr. Perry Adebar and Guest Presenter Ms. Nancy Knight, Associate Vice-President, Campus & Community Planning**
Update on UBC Campus Plan (information)
- 6. Admissions Committee -- Dr. James D. Berger**
 - a. Faculty of Forestry: Advancement (approval) (circulated)
 - b. UBC response to changes to the Ontario High School Mathematics Curriculum
(approval) (circulated)
- 7. Agenda Committee -- Dean Michael Isaacson**
Communication between the Senate and the Board of Governors
(information) (circulated)
- 8. Curriculum Committee -- Dr. Peter L. Marshall**
 - a. Curriculum proposals from the Faculty of Applied Science (approval) (circulated)
 - b. Nominating Committee direction re: ad hoc Committee of Senate

- 9. Reports from the Vice-President, Academic & Provost *pro tem.* -- Dr. George Mackie**
Establishment of three new Chairs in the UBC Institute of Mental Health: The Sauder Chair in Child and Adolescent Psychiatry, The Sauder Chair in Geriatric Psychiatry and Depression, and the Sauder Chair in Psychotherapy (approval) (circulated)
- 10. Proposed Agenda Items**
- 11. 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

Vancouver Senate website: <http://www.students.ubc.ca/senate>

Okanagan Senate website: <http://okanagan.students.ubc.ca/senate/>

Council of Senates website: <http://www.students.ubc.ca/council/>



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Vancouver Senate

MINUTES OF FEBRUARY 28, 2007

Attendance

Present: President S. J. Toope (Chair), Mr. B. J. Silzer (Registrar & Secretary), Dr. P. Adebar, Mr. B. Ahmadian, Mr. T. Ahmed, Dr. B. Arneil, Dr. J. D. Berger, Dr. G. Bluman, Dean M. A. Bobinski, Prof. C. Boyle, Mr. P. T. Brady, Ms. S. Brkanovic, Dr. H. Burt, Mr. B. Danin, Dr. E. Dean, Dr. J. Dennison, Dr. W. Dunford, Ms. G. Eom, Dr. I. Franks, Ms. M. Friesen, Mr. C. Funnell, Dr. S. Grayston, Dr. L. Gunderson, Dr. P. G. Harrison, Dr. R. Harrison, Dean M. Isaacson, Dean M. Isman, Dr. J. Johnson, Ms. J. Khangura, Mr. K. Liu, Mr. R. Lowe, Vice-President *pro tem*. G. A. Mackie, Dr. P. L. Marshall, Dr. A. McAfee, Ms. K. McAllister, Chancellor A. McEachern, Dr. W. McKee, Dr. D. McLean, Mr. P. Orchard, Dr. D. Paterson, Dean S. Peacock, Dean J. Saddler, Ms. E. Segal, Dr. B. Stelck, Mr. R. Taddei, Ms. A. Thamboo, Dr. S. Thorne, Mr. B. Toosi, Dr. M. Upadhyaya, Dr. R. Windsor-Liscombe, Dr. R. Yaworsky, Dr. J. Young.

By Invitation: Dr. R. Gardiner (Theatre, Film & Creative Writing); Associate Vice-President A. Kindler, Ms. S. Watson (Office of Student Financial Assistance & Awards, Enrolment Services).

Regrets: Principal *pro tem*. L. Bainbridge, Dr. N. Banthia, Dr. J. Brander, Dr. L. Chui, Mr. F. Fan, Dr. S. Farris, Dr. D. Fielding, Dr. C. Friedrichs, Dean N. Gallini, Mr. C. L. Gorman, Dr. D. Griffin, Dr. R. Helsley, Associate Vice-President J. Hutton, Dr. R. Irwin, Ms. W. King, Dr. S. B. Knight, Dr. B. S. Lalli, Mr. R. Lam, Mr. M. Lane, Dr. M. MacEntee, Mr. W. McNulty, Dean D. Muzyka, Dr. P. Potter, Dean *pro tem*. Ann Rose, Dr. J. Sarra, Mr. B. Simpson, Dean R. Sindelar, Principal *pro tem*. D. Steyn, Dean G. Stuart, Dean R. Tierney, Dr. D. Weary, Dr. R. Wilson, Dean E. H. K. Yen.

Recording Secretary: Ms. L. M. Collins.

Note: The full text of some reports to Senate is not included in the Minutes. Copies are available from the Assistant Registrar, Senate & Curriculum Services. Many reports are also available on the Vancouver Senate website at www.students.ubc.ca/senate.

Call to Order

Senate Membership

The Secretary made the following announcements regarding Senate membership.

1. Change of Senate Seat
Dr. Pitman Potter, changed to faculty representative of the College for Interdisciplinary Studies
2. New Member of Senate
Dr. Timothy McDaniels, faculty representative of the College for Interdisciplinary Studies
3. Declaration of Vacancy
One faculty representative of the Faculty of Graduate Studies to replace Dr. Pitman Potter

Minutes of the Previous Meeting

<i>Dr. Windsor- Liscombe Ms. Eom</i>	}	<i>That the minutes of the meeting of January 24, 2007 be adopted as circulated.</i>
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Carried.

Business Arising From the Minutes

BOARD OF GOVERNORS/SENATE RELATIONS

The President reported that a draft report on the matter of relations between the Board of Governors and the Vancouver Senate had been prepared, and that the Senate could expect to receive it following consideration by the Agenda Committee.

AD HOC COMMITTEE TO REVIEW U21 GLOBAL

In response to questions raised at the January 31 meeting of the Senate (*Minutes of Senate* pp. 0607/84-87), the President stated that:

1. All UBC investments in U21 Global had been drawn from an endowment account; none of the investments had been derived from General Purpose Operating funds.
2. The University Counsel had confirmed the provision for continued use of the UBC logo for a period of three years following withdrawal from U21 Global. The logo could only be used, however, within the framework of the original agreement. While UBC could take legal action to assert its right to intellectual property if the logo were to be used for other purposes, the President was hopeful that a satisfactory agreement could be reached with U21 Global and that legal action would be unnecessary.

Remarks from the Chair and Related Questions

UNIVERSITY BUDGET UPDATE

President Toope recalled the early estimate of a \$28-million budget shortfall for the 2007/2008 fiscal year. Since that time, royalty income projections had decreased and the University had settled a salary grievance with its Management & Professional staff, increasing the total possible shortfall to \$36 million.

The following principles for the 2007/2008 year were articulated following consultation with the University community:

1. Permanent budgetary changes should be made in the context of a robust academic plan. President Toope noted the need for a mid-level strategic plan linking budgetary allocations to the higher-level *Trek 2010*.
2. The focus for 2007/2008 was to be on one-time savings, rather than recurring cuts.
3. The University should take care not to damage the potential for future revenues.

Consultation had generated more than 250 suggestions for short-term savings or revenue generation, amounting to nearly \$11 million in recurring savings and \$16 million in one-time savings or new revenue. To resolve the remaining \$20 million gap, the University had undertaken a “cash call” for the 2007/2008 fiscal year. Individual units were asked to identify ways to absorb the cut in the short term and to identify possible long-term savings. The academic plan, once developed, would guide recurring cuts and reallocations beginning in 2008/2009.

The President announced the creation of a broadly based steering committee to guide the consultation process for the academic plan. Vice-President, Academic & Provost *pro tem*. George Mackie had agreed to lead the process, with strong input from the Vice-President, Administration & Finance and the Budget Office.

Remarks from the Chair and Related Questions, continued

DISCUSSION

Dr. Windsor-Liscombe stated that unit-level cuts seemed haphazard and unduly harsh. He requested a clear analysis of how the budgetary process had failed. He also noted that the process side of the University appeared to have grown more than the pedagogic side, and indicated that cuts should also have an equal effect on both sides of the operation. Dr. Windsor-Liscombe urged the University to reexamine its governance processes with respect to the budget and to reestablish an active role for the Senate therein.

President Toope responded that the budget for 2007/2008 had been prepared under extraordinary time constraints. The deficit had only become apparent in the autumn of 2006, leaving very little time for the University to meet its statutory obligation to produce a balanced budget. Noting the large amount of the University's budget that was tied to faculty and staff salaries, the President reported that many units had elected to leave positions unfilled as a way to absorb the one-time cut. The new steering committee would, as part of its mandate, examine how the budgetary process had failed. The President noted that this exercise would be undertaken in the spirit of ensuring that this kind of problem did not recur, rather than in an effort to cast blame.

President Toope expressed the opinion that it was not entirely accurate that the process side of the University had grown more quickly than the academic side. The President stated that, while the number of Management & Professional staff had grown dramatically over the previous five years, most of that growth had occurred within Faculties. He noted that the General Purpose Operating Fund had grown by 50 percent in the preceding five years, and that the growth had not been precisely managed. In response to Dr. Windsor-Liscombe's comments about the role of the Senate, President Toope noted that the Senate Budget Committee and its successor, the Council of Senates Budget Committee, had played a strong role in budgetary consultation to date. He noted that it would be fair to ask the steering committee to consider whether that consultation had been sufficient.

From the Board of Governors

Vice-President Mackie reported for information that the Board of Governors had accepted the recommendation of the Senate in approving the following item.

Senate Meeting of January 24, 2007

Establishment of the Centre for Hip Health in the Faculty of Medicine, effective January 1, 2007

Admissions Committee

Committee Chair Dr. Berger presented the reports.

ADMISSION TO THE BACHELOR OF EDUCATION (SECONDARY)

<i>Dr. Berger</i>	}	<i>That Senate approve the change to admission requirements for applicants to the Bachelor of Education (Secondary) program with a concentration or major in English as circulated.</i>
<i>Dr. Gunderson</i>		

DISCUSSION

In response to a question from Dr. Arneil, it was confirmed that the Major in English would now require an additional six credits of senior English, as opposed to 12 credits.

The motion was put
and carried.

ADMISSION REQUIREMENTS FOR APPLICANTS FOLLOWING SECONDARY SCHOOL CURRICULA IN CANADA, OUTSIDE OF BC/YUKON, QUEBEC SECTION

<i>Dr. Berger</i>	}	<i>That Senate approve the change to the admission requirements for applicants following Secondary School Curricula in Canada, outside of BC/Yukon as circulated.</i>
<i>Dr. Marshall</i>		

Carried.

Admissions Committee, continued

STUDENT EXCHANGE PARTNERSHIPS

Dr. Berger reported for information that the Admissions Committee had approved at its meeting on January 24, 2007 three new UBC Vancouver exchange partnerships with the following institutions:

1. Chulalongkorn University;
2. WHU- Otto Beisheim School of Management;
3. University of Iceland.

ENROLMENT TARGETS FOR 2007/2008

The Committee had circulated proposed undergraduate enrolment targets for the 2007/2008 academic year for each Faculty, division, and year level. The tables showed targets for new and continuing students as both head counts and full-time equivalents (FTEs). The proposed enrolment targets had been reviewed by the Vice-President, Academic & Provost *pro tem.* and the Committee of Deans.

<i>Dr. Berger</i>	}	<i>That the Senate approve the 2007/2008 Enrolment Targets, as presented by the Admissions Committee.</i>
<i>Dean Isaacson</i>		

DISCUSSION

Dean Isaacson thanked the Committee and the Vice-President, Academic & Provost *pro tem.* for presenting the targets to Senate in sufficient detail and in a timely fashion.

The motion was put
and carried.

Agenda Committee

Committee Chair Dean Isaacson presented the report on behalf of the Committee.

CONVOCATION REPRESENTATION ON THE VANCOUVER SENATE

The following is an excerpt from the Committee's report:

At its November 2006 meeting, the Vancouver Senate approved an expansion of its membership by four members from 85 to 89. This expansion was associated with the establishment of the College for Interdisciplinary Studies, and entailed the addition to Senate's membership of the Principal of the College, two faculty members, and one student, as the Senate is permitted to do under 35.1(2)(k) of the *University Act*. Although the new College is not a faculty, the Senate elected to adjust its membership as it would have done for a new faculty.

Also at the November 2006 Senate meeting, the Agenda Committee was requested to consider a complementary expansion in the number of Convocation Senators, in order to correct for a resulting decrease in the proportion of Senators representing the UBC Convocation.

The report gave an overview of the evolution of Senate membership. Considerations for making a decision about adding further to the membership of the Senate included the relative representation of all of the various constituencies, keeping the Senate at a manageable size, and upcoming reviews of the College for Interdisciplinary Studies that might further affect the situation.

The Committee presented two options for consideration by the Senate:

1. Option A: maintain the status quo with respect to Senate membership; and
2. Option B: add one Convocation Senator to the membership of the Vancouver Senate.

*Dean Isaacson
Dr. Windsor-
Liscombe*

} That the Senate accept the recommendation of the Agenda Committee by approving Option A, i.e., the status quo, with respect to the composition of the Vancouver Senate; and

That the Nominating Committee be directed to consider whether a process for the review at regular intervals of Senate composition would be advisable and to report back to the Senate with recommendations on the matter by the April 2007 meeting of the Senate.

Agenda Committee, continued

DISCUSSION

Dr. Yaworsky thanked the Committee for providing the background for the Senate's decision on this matter. He urged the Senate to defeat the motion. He expressed the opinion that the motion overlooked the value of Convocation representation on the Senate and the importance of an outside perspective in Senate discussions. Dr. Yaworsky noted that the current Convocation Senators ranged from recent graduates to retired faculty, and that Convocation Senators were among the longest-serving members of the Senate. He added that the Convocation had grown significantly over the past decade, and that increased representation would also be appropriate for that reason. Dr. Yaworsky stated that the addition of one additional Convocation Senator would maintain a manageable size for the Senate while strengthening the body as a whole.

Ms. Eom spoke in support of Dr. Yaworsky's position, noting that the University continued to grow and change. Ms. Khangura recalled that, during a recent Senate debate about a new degree program at the Great Northern Way Campus, Convocation Senators had provided useful input about how the University was viewed in the community.

DIVISION OF THE MOTION

By consent, the motion was divided into its first and second parts.

The motion to
approve Option A
was put and
defeated.

The motion to
direct the
Nominating
Committee was put
and carried.

Agenda Committee, continued

<i>Dr. Yaworsky</i>	}	<i>That the Senate approve Option B, i.e., the addition of one Convocation Senator, with respect to the composition of the Vancouver Senate.</i>
<i>Mr. Lowe</i>		

Carried.

Nominating Committee Chair Dr. Windsor-Liscombe invited Senators to send submissions to the Nominating Committee to assist in its deliberations about a process for regularly reviewing the composition of the Senate.

Joint Report of the Curriculum and Admissions Committees

Curriculum Committee Chair Dr. Marshall presented the report on behalf of the two Committees.

GREAT NORTHERN WAY CAMPUS MASTER OF DIGITAL MEDIA

<i>Dr. Marshall</i>	}	<i>That Senate approve the credential, program, and associated courses for the Master of Digital Media, to be offered at the Great Northern Way Campus by The University of British Columbia, Simon Fraser University, British Columbia Institute of Technology, and Emily Carr Institute of Art and Design.</i>
<i>Dr. Windsor-</i>		
<i>Liscombe</i>		

Carried.

President Toope described the approval of this new degree program as a momentous event and a wonderful statement on close collaboration. He acknowledged the enormous amount of work entailed in moving the proposal forward. He acknowledged the presence of Dr. Robert Gardiner and thanked him and all other members of the project team.

Curriculum Committee

See also: 'Appendix A: Curriculum Summary.'

Dr. Marshall presented the curriculum proposals for approval.

<i>Dr. Marshall</i>	}	<i>That Senate approve the new and changed graduate courses and programs brought forward by the Faculties of Applied Science, Arts, Education, Forestry, and Law and the new graduate courses from the College for Interdisciplinary Studies.</i>
<i>Dr. Dean</i>		

Carried.

Nominating Committee

ADJUSTMENTS TO SENATE COMMITTEES

Committee Chair Dr. Windsor-Liscombe presented the following proposed Committee changes:

1. Student Awards Committee Composition

The Nominating Committee recommends that Senate approve the following revisions to the membership of the Student Awards Committee:

- a. Add as an ex-officio member the Faculty of Graduate Studies Graduate Awards Administrator (non-voting member).
- b. Co-opt as a member of the Committee, Dean pro tem. Ann Rose (voting member).

2. Teaching and Learning Committee Membership

- a. Add Mr. Robert Taddei (student senator) to fill a vacancy.

<i>Dr. Windsor-Liscombe</i>	}	<i>That the Senate approve the recommendations of the Nominating Committee with respect to the composition of the Student Awards Committee and the membership of the Teaching and Learning Committee.</i>
<i>Dr. R. Harrison</i>		

Carried.

Student Awards Committee

Committee Chair Dr. Bluman presented the Committee's reports.

CHANGES TO REGULATIONS GOVERNING UNIVERSITY AWARDS

The following is an excerpt from the Committee's report.

Currently, UBC has two sets of regulations: Regulations Governing University Awards and Regulations Governing University Graduate Awards. The regulations were brought forward for review at the request of the Senate Committee on Student Awards and were revised in consultation with Student Financial Assistance and Awards and the Faculty of Graduate Studies.

The regulations have been revised in the following ways and for the following purposes:

- Adjust the regulations to reflect current practices and any new policies, including policies approved by Senate (deferral of Admission) and the Board of Governors (Policy 72: Access to the University of British Columbia);
- Clarify wording and offer precision where current regulations have caused confusion for students, Faculty and/or donors;
- Consolidate information and simplify where appropriate, including combination of the two sets of regulations and breaking the new set into three parts: general regulations (for both undergraduate and graduate awards), undergraduate regulations, and graduate regulations;
- Eliminate any wording or regulations that are inconsistent with the University and Senate's vision of the role of awards at the institution;
- Remove wording considered to be procedural rather than policy-related.

<i>Dr. Bluman</i>	}	<i>That the Senate approve the revised Regulations Governing University Awards, as circulated.</i>
<i>Dr. Stelck</i>		

DISCUSSION

Dr. Bluman noted that the Committee had consulted with the Faculty of Graduate Studies and the Office of Student Financial Assistance & Awards. The Chair recognized Ms. Shannon Watson from the Office of Student Financial Assistance & Awards.

Student Awards Committee, continued

In response to a question from Dr. Dunford, Dr. Bluman explained that a prize was awarded for work previously completed, while a scholarship usually also required that a certain level of performance be maintained in future.

In response to a question from Dr. P. G. Harrison about how scholarship standing was calculated for students registered in more than 27 credits, Ms. Watson explained that the average was weighted by credit. Dr. Marshall noted that the Student Information System had a calculator for this purpose that was set to pick the best 27 credits so that the average was always calculated in the manner most advantageous to the student.

In response to a question from Mr. Ahmed about the inclusion of courses taken in the Summer Session, Dr. Bluman clarified that Summer Session courses were only included in calculations for students in programs where Summer Session courses were required.

AMENDMENTS

By consent, the following amendments were made to the proposed Regulations:

1. P. 2 of 9, under point 1, amend last sentence as follows: “The University does not approve award terms inconsistent with the Charter of Human Rights and Freedoms and other human rights legislation.”
2. P. 3 of 9, under point 2, amend as follows to delete a comma: “...registered in at least 27 credits, standing in the top 10% of his/her year and faculty (deleted comma) or with an average of 75% or higher....”

The motion to approved the Regulations, as amended, was put and carried.

Student Awards Committee, continued

NEW AWARDS

See also 'Appendix B: New Awards.'

The Committee had circulated two sets of new awards for approval.

<i>Dr. Bluman</i>	}	<i>That the new awards be accepted and forwarded to the Board of Governors for approval, and that letters of thanks be sent to the donors.</i>
<i>Dr. Stelck</i>		

DISCUSSION

Dr. Bluman drew attention to the Martha C. Piper Arts Award in Global Citizenship, noting that global citizenship was the responsibility of all Faculties. The Committee hoped that other Faculties would create similar awards.

The motion was put
and carried.

Report from the Vice-President, Academic & Provost *pro tem*.

ORAL REPORT ON MANDATORY RETIREMENT

Vice-President *pro tem*. Mackie gave a status report on the abolition of mandatory retirement. He reminded Senators that the UBC Board of Governors had approved a policy specifying 65 as the retirement age. In his February 2007 Speech from the Throne, Premier Gordon Campbell had signalled that legislation to end mandatory retirement in the province would be proposed in the near future. Vice-President *pro tem*. Mackie stated that it was uncertain when the proposed legislation might become law. The University administration had begun facilitated discussions with the UBC Faculty Association about how and when to end mandatory retirement. Vice-President *pro tem*. Mackie stated that both parties involved in the discussions agreed that it would be important to know the specific language in the new legislation before making decisions about how to end mandatory retirement at UBC.

Report from the Vice-President, Academic & Provost pro tem., continued

Vice-President *pro tem.* Mackie stated that there were strong advantages to ending the practice of mandatory retirement. He noted that UBC was poised to lose many experienced and energetic faculty members due to imminent retirement, and that life expectancy in British Columbia was among the longest in the world. He added that economic factors relating to living in the Vancouver area meant that more people might elect to continue past the age of 65 and for longer periods of time than in other parts of the country. Because it would be difficult to predict how many people would stay and for how long, planning was complicated.

Vice-President *pro tem.* Mackie stated that he was mindful that every position he had held during his career had been available because someone else had moved on. He briefly summarized some of the issues under consideration during the facilitated discussions:

1. Eligibility for and costs of benefits. Costs increased after the age of 65, and it was uncertain how much risk insurance carriers would be willing to assume, how much coverage would be available, and who should be responsible for paying the premiums.
2. Higher costs for pension plans. Vice-President *pro tem.* Mackie noted that employees were required, under federal legislation, to begin collecting their pensions by age 69.
3. Accommodation for illness and disability for employees after the age of 65, considering that certain disabilities were more prevalent among older workers.
4. Effective academic and human resources planning if the University could not accurately predict retirement.
5. Costs for faculty progression through the ranks, with less savings related to turnover.

Vice-President *pro tem.* Mackie noted that staff tended to view retirement differently, on average, than did faculty. He noted that the majority of UBC staff members would retire in their 50s. CUPE 2950 members, however, had indicated an interest in being involved in discussions about mandatory retirement because their members were predominantly single women who might need to work longer. Some other union groups had expressed some discomfort with ending mandatory retirement, based on concerns that their members would need to work longer to support those who choose to stay on.

Report from the Vice-President, Academic & Provost pro tem., continued

Vice-President *pro tem.* Mackie stated that it was important to view retirement as a process, rather than as a single event, and that the process should be tied to an individual's career aspirations, rather than to a specific age.

DISCUSSION

Mr. Brady asked about the impact of the anticipated legislation on previously negotiated contracts. Vice-President *pro tem.* Mackie stated that he was uncertain what would happen. He noted that the Public Sector Employers' Council (PSEC) had shown interest in the financial impact, but it was unclear as yet what PSEC would recommend.

In response to a question from Dr. Bluman about whether the University intended to be proactive or reactive with respect to the new legislation, Vice-President *pro tem.* Mackie stated that, although the University would like to be proactive, it was important to have clarity about the legislation in order to make proper decisions.

In response to a question from Dr. Windsor-Liscombe about effective dates for new policies and how the University might proceed if the legislation were to be delayed, Vice-President *pro tem.* Mackie stated that he was uncertain. Although he could not speak for the Board of Governors, he believed that the University would be very reluctant to move forward precipitously. Vice-President *pro tem.* Mackie noted that the option of post-retirement contracts was already in place. The topic of post-retirement contracts was to be included in the ongoing facilitated discussions.

Dr. Berger agreed that it was important to support retirement as a process through measures such as fractional appointments. He stated that planning would become easier if the University could get a sense of people's plans. Vice-President *pro tem.* Mackie agreed, although he noted that the matter would have to be handled with sensitivity.

Report from the Vice-President, Academic & Provost pro tem., continued

Dr. Gunderson requested that the Senate schedule another discussion on the topic of mandatory retirement once the legislation became available. President Toope agreed, and asked the Recording Secretary to note the request.

President Toope thanked Vice-President pro tem. Mackie and members of the Senate for a helpful and constructive discussion.

Proposed Agenda Items

None.

Other Business

SENATE CONSULTATION ON GUIDELINES FOR CORPORATE RELATIONS AND STRATEGIC PARTNERSHIPS

Dean Isaacson presented for Senate information and discussion a request from the Board of Governors for consultation on strategic alliances between the University and the private sector. The administration of the University had been directed to submit to the Board of Governors by March 2007:

[G]uidelines that will enable the University to proactively seek out, create, and sustain mutually beneficial strategic alliances in a manner competitive with other top universities worldwide.

The guidelines should reflect that the University's participation in these alliances shall be carefully considered in all respects, and should, in particular:

1. Ensure alignment of potential partners with University values and the Trek 2010 goals and mission;
2. Continue to protect the University's reputation;
3. Create a public statement of the University's interest and ability to seek out and enter into mutually beneficial alliances, thereby attracting potential partners into discussion;
4. Take into account input from consultation with constituencies within the University;
5. Take into account input obtained from members of the private sector; and

Other Business, continued

6. Provide clear guidance for interested parties, including the Board of Governors, Administration and potential partners to evaluate strategic alliance opportunities.

Dean Isaacson invited comments from Senators for transmission to the Board of Governors.

Dr. Johnson noted that it would be important to assess the business practices of a potential corporate partner. She suggested that providing examples of possible problem areas to consider during the evaluation process would be helpful.

Dr. McAfee emphasized the importance of academic freedom, and the possibility of research results being influenced by funding. She noted that the issue was often more about public perception of the quality of research when a corporate partner had provided funding and/or might benefit from the research.

Adjournment

There being no further business, the meeting was adjourned. The following regular meeting was scheduled for 7:00 p.m. on Wednesday, March 28, 2007.

APPENDIX A: CURRICULUM SUMMARY

Applied Science

1) The following new courses:

- a. **CHBE 573** (3) Environmental Engineering and Sustainability
- b. **CHBE 597** (2) MASc Thesis Proposal Development
- c. **CHBE 697** (2) PhD Thesis Proposal Development

Applied Science – School of Architecture and Landscape Architecture

2) The following changed courses:

- a. **LARC 515** (3) A Behavioral Approach to Planting Design
- b. **LARC 523** (3) Landscape Architecture Theory
- c. **LARC 570** (3-12) d Internship

3) The following changed program:

- a. **Master of Advanced Studies in Landscape Architecture**

Applied Science

4) The following new course:

- a. **MECH 521** (3) Modeling and Design of Mechatronics Systems

Arts – School of Library, Archival, and Information Studies

5) The following new and changed courses:

- a. **ARST 500** (3) Information Technology and Archives
- b. **ARST 530** (3) The History of Administration in the Canadian Juridical Context
- c. **ARST 545** (3) Advanced Arrangement and Description of Archival Documents
- d. **ARST 550** (3) Management of Audiovisual and Non-textual Archives
- e. **ARST 555** (3) The Preservation of Digital Records
- f. **ARST 573** (3) Archival Systems and the Profession

Arts

6) The following new courses:

- a. **PSYC 507** (3) Cultural Psychology
- b. **PSYC 510** (3) Descriptive Psychopathology
- c. **PSYC 541** (2) Introduction to Psychopathology
- d. **PSYC 585** (3/6) d Special Topics in Developmental Cognitive Neuroscience
- e. **PSYC 588** (3/6) d Special Topics in Social and Personality Development

Appendix A: Curriculum Summary, continued

Interdisciplinary Studies

- 7) The following new courses:
- a. **BIOF 501** (3) Special Topics in Bioinformatics
 - b. **BIOF 548** (3-6) c Directed Studies

Education

- 8) The following new courses:
- a. **CUST 511** (3) Seminar in Case-Study Research and Cross-Case Analysis
 - b. **EDST 585** (3) Capstone: Society, Culture, and Politics in Education
 - c. **LLED 536** (3) Drama, Literacies, and Literature in Education
 - d. **EPSE 630** (3) Advanced Seminar: Adolescence Through Emerging Adulthood

Forestry

- 9) The following changed courses:
- a. **FRST 538** (3) Advanced Remote Sensing
 - b. **FRST 544** (3) Technical Communication Skills I

Law

- 10) The following change in program and credential name:
- a. **Master of Laws in Common Law** from **Master of Jurisprudence**

d

APPENDIX B: NEW AWARDS

AWARDS APPROVED BY STUDENT AWARDS COMMITTEE DATED JANUARY 16, 2007

Vaughn BERG Memorial Prize in Architecture: A \$750 prize has been endowed by friends and family in memory of Vaughn Berg for a student in the School of Architecture and Landscape Architecture whose thesis project expands beyond the realm of the discipline of architecture and embraces allied disciplines and related practices in arts in a forward-looking, innovative, and constructive manner. This was an attitude Vaughn exemplified in both his studies and his career. The award is made on the recommendation of the School. (First award available for the 2007/08 Winter Session)

BORDEN Ladner Gervais Professional Excellence Award: Two awards of \$3,000 each (total \$6,000) are offered by Borden Ladner Gervais to full-time law students completing first year who have demonstrated academic excellence together with a commitment to professional and service excellence by consistently expanding their knowledge of the law, demonstrating the highest standards of integrity, offering innovative ideas, taking a collaborative approach and contributing to the community. The awards are made on the recommendation of the Faculty. (First awards available for the 2006/07 Winter Session)

CANADIAN History Graduate Research Travel Scholarship: Scholarships totalling \$1,000 have been endowed by a group of senior Canadian historians long associated with the Department of History at UBC for graduate students in Canadian History who are conducting research outside the Greater Vancouver area and merit support for associated travel costs. The awards are made on the recommendation of the Graduate Committee in the Department of History in consultation with the Faculty of Graduate Studies. (First awards available for the 2007/08 Winter Session)

Chia-Lien CHENG Memorial Graduate Scholarship: A \$1,000 scholarship is offered by family, friends and colleagues in memory of Chia-Lien Cheng for a Masters student in Civil Engineering. A dedicated educator and professional engineer, Chia-Lien Cheng pursued his Masters in Civil Engineering at the age of 52 after emigrating from China. The memorial scholarship recognizes and honours his devotion to education and research in Civil Engineering. The award is made on the recommendation of the Department in consultation with the Faculty of Graduate Studies. (First award available for the 2007/08 Winter Session)

CHERNOFF Thompson Science Scholarship in Architecture: Scholarships totalling \$1,250 have been endowed by Chernoff Thompson Architects for students entering second or third year of the School of Architecture and Landscape Architecture with a preference for students in the architecture program who have demonstrated scientific rigor in their architecture studies including structured research and design from "first principles". The award is made on the recommendation of the School. (First awards available for the 2007/08 Winter Session)

Appendix B: New Awards, continued

CONSULAR Corps of British Columbia Graduate Scholarship in International Relations:

A \$2,500 scholarship is offered by the Consular Corps of British Columbia to a graduate student in the History or Political Science Departments pursuing a topic in international relations. The Consular Corps, based mainly in Vancouver, is the official body comprising all Consular Officers resident in the Province of British Columbia, representing over seventy countries. The award is made on the recommendation of the two departments in consultation with the Faculty of Graduate Studies, alternating between History in odd-numbered Winter Sessions and Political Science in even-numbered Winter Sessions. (First awards available for the 2007/08 Winter Session)

GRADUATE Student Travel Award in Pharmaceutical Sciences: Travel awards totalling \$2,000 are offered by Dr. George Roger Tonn to enable graduate students in the Faculty of Pharmaceutical Sciences to attend conferences or symposia at which they will present a poster or an academic paper. The awards are made on the recommendation of the Faculty in consultation with the Faculty of Graduate Studies. (First awards available for the 2007/08 Winter Session)

Bob and Nancy LOVE Bursary: A \$1,000 bursary is offered annually through the University of Victoria Foundation to an M.D. student with dependent children registered in the Island Medical Program of the University of British Columbia. (First award available for the 2007/08 Winter Session)

Richard and Linda MABEE Bursary: Bursaries totalling \$11,700 have been endowed through a bequest by Marjorie Patricia Mabee for students in the Faculty of Medicine who are Canadian citizens or Permanent Residents of Canada. (First awards available for the 2007/08 Winter Session)

George McWHIRTER Prize in Poetry: A \$500 prize has been endowed by colleagues, friends and students in honour of George McWhirter's retirement and in recognition of his thirty-five years of teaching at UBC. A recipient of the Sam Black Award for Education and Development in the Visual and Creative Arts, George has assisted hundreds of young writers in their careers. The award is made on the recommendation of the Creative Writing Program to an undergraduate student specializing in poetry. (First award available for the 2007/08 Winter Session)

Martha C. PIPER Arts Award in Global Citizenship: To honour the work of Martha C. Piper as President of The University of British Columbia and to recognize her long-standing concern for the improvement of the global community, a \$1,000 award has been endowed for a student in the Faculty of Arts who has an outstanding academic record (with first class standing) and has demonstrated commitment to and an active participation in global issues. The winner of this award will be selected from eligible Arts applicants for the Wesbrook Scholarship. (First award available for the 2007/08 Winter Session)

Appendix B: New Awards, continued

Kenneth Brian ROCHELEAU and Norman Rocheleau Bursary: Bursaries totalling \$2,400 have been endowed through a bequest by Kenneth Brian Rocheleau for undergraduate or graduate students in fine arts programs who require financial assistance. (First awards available for the 2007/08 Winter Session)

SCIENCE Co-Op Student of the Year Award: A \$500 award is offered to the top Science Co-Op student in recognition of his/her contributions in the past academic year. In addition to having achieved high academic standing, candidates for the award must have demonstrated leadership in the UBC community or with their employer and participated actively in extra-curricular or volunteer activities. The award is made on the recommendation of the Science Co-Op Program. (First award available for the 2006/07 Winter Session)

Eric L. SMITH M.D. Memorial Prize in Ophthalmology: Prize(s) totalling \$1,000 have been endowed by family, friends and colleagues in memory of Dr. Eric Lawrence Smith (B.A.Sc.1942, B.A. 1945, M.D. McGill 1949) for third or fourth year M.D. student(s) who have demonstrated an interest in and an aptitude for a career in ophthalmology. Eric specialized in ophthalmology and practiced in Vancouver for over forty years as a surgeon at VGH, clinical professor at UBC, and in private practice. A pioneer in the use of the operating microscope in B.C. in corneal transplant and general eye surgery, he enjoyed passing on his knowledge to students. The award is made on the recommendation of the Department of Ophthalmology in the Faculty of Medicine. (First awards available for the 2007/08 Winter Session)

SOPRON Alumni Scholarship: Scholarships totalling \$2,250 have been endowed by the Sopron Alumni for undergraduate students in the Faculty of Forestry. The awards are made on the recommendation of the Faculty. (First awards available for the 2007/08 Winter Session)

Doris STASTNY Bursary: Bursaries totalling \$5,700 have been endowed through a bequest by Doris Stastny to assist women students who are single parents and have two or more dependent children. Recipients must be enrolled in a graduate, post-baccalaureate, or honours undergraduate program at the University. (First awards available for the 2007/08 Winter Session)

WEYERHAEUSER Aboriginal Award in Forestry: Awards totalling \$2,000 are offered by Weyerhaeuser Company Ltd. to undergraduate Aboriginal students in the Faculty of Forestry. Preference is given to Aboriginal students from outside the Greater Vancouver Regional District and the Capital Region District. The awards are made on the recommendation of the Faculty. (First awards available for the 2007/08 Winter Session)

WEYERHAEUSER Award in Forestry: Awards totalling \$2,000 are offered by Weyerhaeuser Company Ltd. to undergraduate students in the Faculty of Forestry. Preference is given first to Aboriginal students and then to female students in the Forest Resources Management, Forest Operation, and Wood

Appendix B: New Awards, continued

Products Processing Programs. The awards are made on the recommendation of the Faculty. (First awards available for the 2007/08 Winter Session)

Previously-Approved Awards With Changes in Terms or Funding Source:

Award 00774 – DURANTE Kreuk Prize in Landscape Architecture (revised description): A \$1,000 prize has been endowed by Durante Kreuk Limited for a student in the Master of Landscape Architecture program who has achieved the highest degree of design excellence in the graduation project. The prize is made on the recommendation of the School of Architecture and Landscape Architecture.

How amended: The firm has decided to endow this prize after funding it on an annual basis since 1991. Otherwise, the terms of the award are unchanged.

Award 05309 – David NAIRNE Memorial Scholarship in Civil Engineering (revised description): Scholarships totalling \$3,500 have been endowed by the family, friends and colleagues of David Nairne (B.A.Sc.1964), founder of David Nairne and Associates Ltd., who for over thirty years was dedicated to working with First Nations communities throughout B.C. and Yukon. The awards are given to undergraduate or graduate Aboriginal students in Civil Engineering, Architecture and /or the School of Community and Regional Planning, with a preference for those in Civil Engineering. They are made on the recommendation of the Faculty of Applied Science and, where appropriate, the Faculty of Arts, in consultation with the First Nations House of Learning and, in the case of graduate students, in consultation with the Faculty of Graduate Studies.

How amended: Originally established in 2003, this scholarship was restricted exclusively to First Nations students in Civil Engineering. However, only one student to date has been identified as eligible for the award, meaning that no scholarships were disbursed in 2004W or 2005W. The donors have, therefore, elected to broaden the award terms to include students in Architecture and Community and Regional Planning. Amended Endowment Fund Terms of Reference including this revision have been approved by University Counsel and by the Board of Governors.

Award 04107 – PHYSIOTHERAPY Association of B.C. Prize (revised description): A \$150 prize is offered by the Physiotherapy Association of B.C. to a graduating student in the Master of Physical Therapy Program who attains the highest cumulative standing in RSPT 528,538,548, and 558. Preference is that the prize be used to purchase books to further the student's education in physiotherapy. The award is made on the recommendation of the School of Rehabilitation Sciences.

How amended: The terms stated that the prize was given "for general proficiency in the final year of the physiotherapy program." The revised wording is more specific as to the courses on which the adjudication should be based.

Appendix B: New Awards, continued

AWARDS APPROVED BY STUDENT AWARDS COMMITTEE DATED FEBRUARY 12, 2007

May L. BARNETT Memorial Graduate Scholarship in Plant Science: One or more scholarships totalling \$5,000 have been endowed by Roy Barnett in memory of his mother, May L. Barnett, for graduate students in Plant Science working on the improvement of agricultural and/or horticultural plants. May Barnett developed and nurtured plants of all kinds in her extensive garden. It would have given her great satisfaction to know that this scholarship will assist generations of students pursuing her life's passion for the benefit of humanity. The awards are made on the recommendation of the Faculty of Land and Food Systems in consultation with the Faculty of Graduate Studies. (First awards available for the 2007/08 Winter Session)

Susan M. BOYCE Graduate Scholarship in Journalism: One or more scholarships totalling \$2,500 have been endowed by Roy Barnett in honour of his sister, Susan M. Boyce, for graduate students in the Master of Journalism Program in the School of Journalism. Susan is a longtime Vancouver-based journalist and a firm believer in the need to support and mentor aspiring writers in this exciting career. It is her hope this scholarship will contribute to making the aspiration a reality for many who are dedicated to preserving the value and integrity of the written word. The awards are made on the recommendation of the School in consultation with the Faculty of Graduate Studies. (First awards available for the 2007/08 Winter Session)

BULL Housser & Tupper LLP Prize in Succession: A \$500 prize has been endowed by the law firm of Bull Housser & Tupper LLP for a student who has achieved high academic standing in the course on Succession (Law 452). The prize is made on the recommendation of the Faculty of Law. (First award available for the 2007/08 Winter Session)

Bill DAVISON Memorial Prize: A \$500 prize has been endowed by friends, family and colleagues in memory of Bill Davison (1943-2004) for an outstanding Bachelor of Education (Secondary) student in language and literacy education. As an English instructor at UBC, Bill left a profound legacy through his commitment to inspiring student teachers to bring language and literature into their classrooms. The award is made on the recommendation of the Department of Language and Literacy Education. (First award available for the 2007/08 Winter Session)

David DODGE Graduate Scholarship in Economics: A \$1,000 scholarship has been endowed by David Dodge, Governor of the Bank of Canada, for a graduate student in the field of Economics. The award is made on the recommendation of the Department of Economics in consultation with the Faculty of Graduate Studies. (First award available for the 2007/08 Winter Session)

FAMILY Studies Graduating Prize: A \$600 prize has been endowed by the School of Social Work and Family Studies for an outstanding fourth-year graduating student in Family Studies who has achieved high academic standing. The award is made on the recommendation of the School. (First award available

Appendix B: New Awards, continued

for the 2007/08 Winter Session)

Bruno and Catherine FREIGANG Bursary: Bursaries totalling \$2,000 have been endowed through a gift from Bruno and Catherine Freigang administered by the University of Victoria Foundation. The bursaries are offered annually to outstanding M.D. students at The University of British Columbia who are Canadian citizens or Permanent Residents and are registered in the Island Medical Program. (First awards available for the 2007/08 Winter Session)

Ann Liisa McCUTCHEON Memorial Award: A \$350 award has been endowed by friends and family in memory of Ann Liisa McCutcheon to recognize students in the Faculty of Arts who demonstrate leadership and commitment to the Faculty and UBC. Ann Liisa McCutcheon spent much of her time while at university and as an alumna serving her Alma Mater. The award is made on the recommendation of the Faculty. (First award available for the 2007/08 Winter Session)

PWL Partnership Scholarship in Landscape Architecture: Scholarships totalling \$1,250 have been endowed by PWL Partnership Landscape Architects for students in the Master of Landscape Architecture or Master of Advanced Studies in Landscape Architecture Programs in the School of Architecture and Landscape Architecture, with a preference for students entering the second or third year of their studies. The award is made on the recommendation of the School in consultation with the Faculty of Graduate Studies. (First awards available for the 2007/08 Winter Session)

Paul SANGHA Limited Scholarship in Design Excellence: A \$2,500 scholarship has been endowed by Paul Sangha Limited for a student in the Landscape Architecture Program, with a preference for a student entering second or third year who has demonstrated excellence in the design process, conceptual design, and design resolution. The award is made on the recommendation of the School of Architecture and Landscape Architecture. (First award available for the 2007/08 Winter Session)

James P. TAYLOR, QC Prize in Equitable Remedies: Prizes totalling \$300 have been endowed in honour of James P. Taylor, QC. The prizes are awarded on the recommendation of the Faculty of Law to students who achieve high standing in Equitable Remedies. (First awards available for the 2007/08 Winter Session)

TOLKO Industries Ltd. Scholarship in Forestry: Scholarships totalling \$5,000 are offered by Tolko Industries Ltd. to outstanding undergraduate students in the Wood Products Processing Program. The awards are made on the recommendation of the Faculty of Forestry. (First awards available for the 2007/08 Winter Session)

Appendix B: New Awards, continued

Previously-Approved Award With Change in Terms:

Award 05644 - Robert N. and Patricia Young Scholarship: (revised description) Scholarships totaling \$1,250 have been endowed through a gift by Robert and Patricia Young administered by the University of Victoria Foundation. The scholarships are offered annually on the recommendation of the Faculty of Medicine at The University of British Columbia to outstanding M.D. students entering the Island Medical Program, with preference for students who have graduated from a secondary school on Vancouver Island. (First awards available for the 2007/08 Winter Session)

How amended: The description approved by the UBC Senate on January 24, 2007 omitted the stipulation that the scholarships are reserved for students *entering* the program.

THE UNIVERSITY OF BRITISH COLUMBIA



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

March 16, 2007

Memo to: Vancouver Senate

From: Admissions Committee

Re: Changes to Admissions Requirements-Faculty of Forestry (approval) and
UBC Response to Changes to the Ontario High School Math Curriculum
(approval)

- a) Change to examinations and advancement requirements for students in the Faculty of Forestry, commencing September 2007 (approval) (circulated)

This item was brought to Senate on Jan. 24, 2007 and was referred back to Admissions Committee and the Faculty of Forestry for further consideration. The revised proposal was approved by the Admissions Committee on Feb. 28, 2007.

Motion: *That the Senate approve the changes to the examinations and advancement requirements for students in the Faculty of Forestry.*

- b) Admissions Committee recommendations regarding applicants following to Ontario High School Math Curriculum commencing September 2007 (approval) (circulated)

The Admission Committee has reviewed and approved Dr. George Bluman's recommendations with regard to the Ontario Advanced Functions Grade 12 (MHF4U) math course and the Calculus and Vectors Grade 12 (MCV4U) and recommends their approval by Senate. Dr. Bluman's recommendations are attached.

Motion: *That Senate accept the recommendations of the Admissions Committee with respect to the admission of applicants following the Ontario high school mathematics curriculum.*

Respectfully submitted,

Dr. James Berger, Chair
Senate Admissions Committee



UBC Undergraduate Admissions Proposal Form Change to Admission Requirements

Faculty: Forestry Department: Faculty Approval Date: Oct. 31, 2006 Effective Session: 07W, Term 1 Year for Change: 2007	Date: Oct. 18, 2006 Contact Person: Candace Parsons Phone: 2-3547 Email: candace.parsons@ubc.ca
Proposed Calendar Entry Examinations and Advancement The University regulations concerning examination and advancement apply. See Academic Assessment and Advancement Regulations . In addition, the Faculty of Forestry sets the following requirements: 6. All students must pass at least 60% of credits undertaken, achieve an overall average grade of at least 60%, and follow their required program, or be required to withdraw from the Faculty for at least one year. Students who do not complete all required courses for their program year will not be promoted to the next program year, but may register in a subsequent session. 7. Students registered in any year who attain a Winter Session average of at least 55% but less than 60% may, at the discretion of the Adjudication, Advancement and Scholarship Committee, be placed on Academic Probation. Students assigned Academic Probation in one session will be removed from Academic Probation if, in a following Winter Session, they pass all courses and attain an average of at least 60% on a minimum of 24 credits. Students who do not achieve an average high enough to be removed from academic probation will be required to withdraw from the Faculty for at least a year. 8. A candidate who does not complete requirements for graduation in May following fourth year will be required to register for all incomplete courses, in a subsequent session (summer or winter), and will be assessed the prescribed fees for these courses. Students	Present Calendar Entry: URL: http://www.students.ubc.ca/calendar/index.cfm?tree=12,203,328,167 Examinations and Advancement The University regulations concerning examination and advancement apply. See Academic Assessment and Advancement Regulations . In addition, the Faculty of Forestry sets the following requirements: 6. First year students must pass at least 60% of credits undertaken and achieve an overall average grade of at least 60% or be required to withdraw from the Faculty for at least one year. Completion of at least 30 credits is required for promotion to second year. In subsequent years, students who do not pass at least 60% of the credits undertaken and achieve an overall average of 55%, will be required to withdraw from the Faculty for at least one year. Students who do not complete all required courses for their program year will not be promoted to the next program year, but may register in a subsequent session. 7. Students registered in first year that attain a Winter Session average of at least 55% but less than 60% may, at the discretion of the Adjudication, Advancement and Scholarship Committee, be placed on Academic Probation. Students registered in subsequent years that attain a Winter Session average of at least 50% but less than 55% may, at the discretion of the Adjudication, Advancement and Scholarship Committee, be placed on Academic Probation. Students assigned Academic Probation in one session will be removed from Academic Probation if, in a following Winter Session, they pass all courses and attain an average of at least 60% on a minimum of 24 credits. 8. A candidate who does not complete requirements for graduation in May following fourth year, will be required to register for all incomplete courses, in a subsequent session (summer or winter), and will be assessed the prescribed fees for these courses. Students



<p>who do not complete FRST 497 (B.S.F. Essay), FRST 498 (B.Sc. Thesis), WOOD 493 (Wood Processing Project), CONS 498 (Thesis or Special Project) in their fourth year must complete these requirements in time for graduation in the fall of the following year. Students who do not complete these requirements within the specified period of time must formally register in a subsequent session and may be required to take additional courses related to the thesis or project topic.</p> <p>9. Students who have not achieved a Language Proficiency Index (LPI) score of 5 or 6 prior to completing 30 credits of Forestry-eligible courses taken at UBC will be required to withdraw from the Faculty of Forestry, unless there are sufficient extenuating circumstances. See Exemptions under LPI Requirements for First-Year English in the Faculty of Arts section.</p> <p>10. Students who have not completed at least 3 credits in each of First-Year English and First-Year Mathematics (calculus) by the time they have completed 60 credits will be required to withdraw from the Faculty of Forestry, unless there are sufficient extenuating circumstances.</p> <p>11. Students who are required to withdraw from the Faculty of Forestry for academic reasons may apply for readmission to the university following at least a year away. During this year, these students are normally required to satisfactorily complete at least 12 credits of UBC-transferable post-secondary courses at some other institution, provided that there are sufficient credits of available courses remaining in their programs. Exceptional circumstances which might preclude this should be brought to the Faculty's attention as soon as possible. Related work or volunteer experience that demonstrates maturity and an ability to succeed academically will also be considered in the readmission decision.</p>	<p>who do not complete FRST 497 (B.S.F. Essay), FRST 498 (B.Sc. Thesis), WOOD 493 (Wood Processing Project), CONS 498 (Thesis or Special Project) in their fourth year must complete these requirements in time for graduation in the fall of the following year. Students who do not complete these requirements within the specified period of time must formally register in a subsequent session and may be required to take additional courses related to the thesis or project topic.</p> <p>9. Students who have not achieved a Language Proficiency Index (LPI) score of 5 or 6 prior to completing 30 credits of Forestry-eligible courses taken at UBC, will normally be required to withdraw from the Faculty of Forestry. See Exemptions under LPI Requirements for First-Year English in the Faculty of Arts section.</p> <p>Rationale:</p> <p>6. All students should be required to continue to demonstrate the ability to succeed in their programs at the same level as required in first year.</p> <p>7. The requirements for Academic Probation should be the same for students in all years of their program. Also, there needs to be a statement addressing what happens if the students does NOT do what is required to get off of Academic Probation (currently, it can be argued that they continue in their program on AP as it is not explicitly stated).</p> <p>10. There is currently no Faculty policy that requires students to complete their English and mathematics in a timely manner, which makes it difficult to enforce. Some students reach 4th year without completing these foundation requirements.</p> <p>11. There is currently no Faculty policy that requires students to complete courses, or do anything else during their year away from UBC. The goal is to encourage the students to study or work or otherwise increase their chances of academic success, and demonstrate their commitment to their forestry program during this time.</p>
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Changes to the Ontario Math Curriculum – Overview and Proposal by the Undergraduate Admissions Office

Overview:

As a result of the recommendation of a Ministry of Education Task Force on Ontario Mathematics curriculum the Ontario government has changed their secondary school Mathematics curriculum, effective September 2007. The new Mathematics curriculum includes two new courses, Calculus and Vectors (MCV 4U) and Advanced Functions (MHF 4U). These courses will replace the current Advanced Functions and Introductory Calculus (MCB 4U) course and will be offered as of September 2007. What follows is a summary of the current and new courses as well as the recommendations of Dr. George Bluman of the UBC Mathematics Department and the UBC Undergraduate Admissions Office on Ontario Math admission requirements for the 2008 admissions cycle.

Current Curriculum and Summary of Revised Curriculum for 2007

The current **Advanced Functions and Introductory Calculus, Grade 12, (MCB4U)** course is described as follows:

This course builds on students' experience with functions and introduces the basic concepts and skills of calculus. Students will investigate and apply the properties of polynomial, exponential, and logarithmic functions; broaden their understanding of the mathematics associated with rates of change; and develop facility with the concepts and skills of differential calculus as applied to polynomial, rational, exponential, and logarithmic functions. Students will apply these skills to problem solving in a range of applications.

As of September 2007, this course will be replaced by the following two courses (source: Ministry of Education Ontario on October 13, 2006):

NEW: Calculus and Vectors, Grade 12, University Preparation (MCV4U)

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.

Prerequisite or Co-requisite: Advanced Functions (MHF4U).

NEW: Advanced Functions, Grade 12, University Preparation (MHF4U)

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation

**Recommendation of Dr. George Bluman – University of British Columbia
Mathematics Department, (excerpt from his e-mail, January 3, 2007):**

"I was consulted by the Ontario Ministry of Education Task Force on these changes. My recommendations for UBC would be as follows:

1. The Advanced Functions course should be treated as the equivalent of Principles of Mathematics 12.
2. The Calculus and Vectors course should be treated as equivalent to any calculus course taught in BC schools.

Hence students who are admitted to UBC with the Advanced Functions course and have not taken the Calculus and Vectors course would be required to take Math 180 or Math 184 (if taking calculus at UBC).

Students who are admitted to UBC with both courses would be required to take one of Math 100, 102, 104 or 120 (if taking calculus at UBC), i.e., the same policy as for BC students.

I would recommend that UBC advertise to students, entering from Alberta or Ontario secondary schools with respectively Math 31 or Calculus and Vectors, the availability of the UBC-SFU-UVIC-UNBC Challenge Exam.

Note that the Ontario Task Force recommends the introduction of courses such as Math 180 and 184 in Ontario universities for students entering without the Calculus and Vectors course.

A likely consequence of the Ontario changes will be

*more Ontario students coming to UBC

*increases in enrolments in Math 180, 184 with decreases in Math 100 and 104".

Proposal – Undergraduate Admissions Office:

Based on the recommendation of Dr. George Bluman of the UBC Mathematics Department, the Undergraduate Admissions Office would like to propose the following for review and approval by the Senate Admissions Committee:

Programs that currently require MCB4U for admission would only require the new Advanced Functions, Grade 12, (MHF4U) and not Calculus and Vectors (MCV4U). The rationale is as follows:

- MHF4U was assessed by the UBC Mathematics Department as equivalent to BC Principles of Math 12
- programs that require Principles of Math 12 do not also require BC Calculus 12
- many of UBC's peer institutions in Ontario will require or recommend completion of both Advanced Functions (MHF4U) and Calculus and Vectors (MCV 4U) – please see attached list of university entrance requirements
- as noted by Dr. George Bluman, by not requiring Calculus and Vectors (MCV 4U) UBC is being consistent with admission requirements for BC high school students and may derive a competitive advantage by attracting more Ontario students.



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

March 16, 2007

To: Senate

From: Agenda Committee

**Subject: Communication between the Senate and the Board of Governors
(information)**

Senators will recall that, at the October 2006 meeting of Senate, the Agenda Committee reported to Senate for information on a number of enhancements to the Senate's communication with the Board of Governors that it had directed to the Senate secretariat for implementation and/or to request of the Board of Governors secretariat. At the meeting, President Toope offered to review the matter and to report back to Senate. His findings have been conveyed to the Agenda Committee and are reported herein.

Current Relations between the Senate and the Board of Governors

The *University Act* requires that some matters considered by the Board are to be "in consultation with the senate", or "with the approval of the senate"; and that some matters to be considered by the Senate require that Senate "consider, approve and recommend to the board ...", or "recommend to the board ...". Until 1973, three members of the Board were elected representatives of the Senate. Currently, only the President and the Chancellor serve ex officio on both bodies, and formal communication between the Board and Senate occurs through the two secretariats.

Items approved by the Senate that require Board of Governors approval include such matters as new and changed curriculum, the establishment or renaming of academic units, and the establishment of chairs. Board of Governors items that require Senate approval include procedures for senior appointments and the total enrolment of the University and its faculties. For a complete list of items for which responsibility is shared, Senators may consult Sections 27(2) and 37(1) of the *University Act*.

Enhancements to the communications between the Senate and the Board have been sought for several reasons. The scheduling of meetings of Senate and the Board is such that the Board's notification to Senate of the disposition of items sent to the Board may be delayed, causing academic hardship for the Faculties. In a few instances, the Senate has not been notified at all of the disposition of matters brought to the Board by the Senate. Furthermore, the Board has, on occasion, and due to a lack of full communication, approved matters requiring the approval of Senate, such as the

composition of certain selection committees and the establishment of academic units, without the consultation of Senate as required by the Act.

Proposed Enhancements

The President has endorsed the following changes to assist with the issues outlined above:

1. Formal Board-Senate communication will continue to occur between the Secretariats. Therefore, the Senate Secretariat will forward to the Board Secretariat, copied to the Office of the Vice-President Academic & Provost, all items requiring Board approval. Under the *University Act*, the Board must receive the Senate materials within ten days of Senate approval. In turn, the Board Secretariat will forward to the Senate Secretariat the disposition of all Senate items promptly following these decisions.
2. In order to highlight the items of Senate brought to the Board, the President will recommend to the Board that Senate items be presented to the Board as reports from the Senate.
3. In order to reduce the time between Senate's approval of routine items and notification back to Senate, the President will recommend to the Board that all routine Senate business will be considered by the Board using its established "approval by consent" procedure, which would see materials circulated to Board members independently of Board meeting agendas, and so expedite the approval process. The Board is exploring approaches to dealing with "approval by consent" matters, whereby the rights of Board members to be suitably engaged in such decisions will be fully respected. In addition, it is possible to better coordinate scheduling of meetings of the Board and the Senate.
4. In order to ensure that all necessary Board and Senate consultation and approvals take place, the Board and Senate secretariats have agreed to exchange advance copies of their respective draft meeting agendas for information and comment.
5. As an enhancement to the Board's communication with the academic community more generally, the President has suggested that the Board consider posting on its website -- within ten days of Board meetings meeting -- materials and decisions relating to items considered in open session. Similarly, the President has suggested that the Board post its meeting minutes on its website promptly following their approval, and that the Board secretariat would inform the Senate secretariat and the Faculties in a timely manner of their availability.



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

16 March 2007

To: Senate
From: Senate Curriculum Committee

Re: **MARCH CURRICULUM PROPOSALS & RECOMMENDATION FOR AN
AD-HOC COMMITTEE ON WRITING AND COMMUNICATION
SKILLS**

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 courses and programs brought forward by the Faculty of Applied Science.”

Further, the Committee has considered the matter of writing and communication skills for first-year students in response to a proposal from a faculty to discontinue the enrolment of its students in English 112 and to establish a faculty-specific communications skill course to be taken in its place. The Committee is of the opinion that an ad-hoc committee should be formed to consider the matter more fully. As such, the following is recommended to Senate:

“That Senate direct the Nominating Committee to recommend to Senate terms of reference and composition for an ad-hoc committee to review the teaching of introductory writing and communication skills for students in all undergraduate programs; and

That the Nominating Committee be directed to report back by the next meeting of Senate with its recommendations”



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

15 March 2007

To: Senate
From: Senate Curriculum Committee

Re: **APPLIED SCIENCE CURRICULUM REPORT**

Attached please find the following proposals for your consideration:

- 1) The following program change:
 - a. **Bachelor of Applied Science**
 - i. **Academic Performance Evaluation**
- 2) The following new option in the **Bachelor of Applied Science – Electrical Engineering** program:
 - a. **Electrical Energy Systems**
- 3) The following revised option in the **Bachelor of Applied Science – Electrical Engineering** program:
 - a. **Biomedical Engineering**
- 4) The following new course:
 - a. **EECE 497 (3)** Power Systems protection

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Department: APPLIED SCIENCE		Contact Person: Bruce Dunwoody																						
Faculty Approval Date: <i>to be presented at Feb 15 Faculty Mtg.</i>		Phone: 2-3701																						
APSC Undergraduate Program Change(s)		Email: bruce.dunwoody@ubc.ca																						
Effective Date: September 2007		URL: http://www.students.ubc.ca/calendar/index.cfm?tree=12,195,272,29																						
Proposed Calendar Entry:		Present Calendar Entry:																						
<p>Academic Performance Evaluation Students will be evaluated for academic progress according to the approach described under Academic Regulations.</p> <p>Specifically, a student will be evaluated for academic progress once he or she has completed at least 12 credits of coursework, excluding co-op courses, since last evaluated.</p> <p>One of three academic standings is assigned as a result of an academic performance evaluation; in good standing, on probation or failed. All students are in good standing when first admitted to the Faculty. The following table shows the academic standing assigned depending on current academic standing, credit-weighted average (Ave) and credits passed (CP).</p> <table border="1"> <tr> <th rowspan="2"></th><th rowspan="2"></th><th colspan="3">Standing Assigned</th></tr> <tr> <th>In Good Standing</th><th>On Probation</th><th>Failed</th></tr> <tr> <td rowspan="3">Current Standing</td><td>In Good Standing</td><td>Ave \geq 55% CP \geq 65%</td><td>otherwise</td><td>-</td></tr> <tr> <td>On Probation (first time)</td><td>Ave \geq 60% CP = 100%</td><td>Ave \geq 55% CP \geq 65%</td><td>otherwise</td></tr> <tr> <td>On Probation (second consecutive time)</td><td>Ave \geq 60% CP = 100%</td><td>-</td><td>otherwise</td></tr> </table> <p>A student assigned an academic standing of failed will be required to discontinue his or her studies for one year prior to an appeal for readmission. (Note that a student required to discontinue his or her studies will be allowed to complete any courses already begun at the time of the requirement to discontinue his or her studies.)</p> <p>A student who is assigned an academic standing of failed after having previously being required to discontinue his or her studies will be required to withdraw from the University and will not normally be readmitted.</p> <p>Promotion A student will be promoted from one year-level to the next if he or she has successfully completed at least 80% of the credits for the year level in which the student is currently registered.</p>				Standing Assigned			In Good Standing	On Probation	Failed	Current Standing	In Good Standing	Ave \geq 55% CP \geq 65%	otherwise	-	On Probation (first time)	Ave \geq 60% CP = 100%	Ave \geq 55% CP \geq 65%	otherwise	On Probation (second consecutive time)	Ave \geq 60% CP = 100%	-	otherwise	<p>Advancement In order to pass the year, a student must both obtain an overall average of at least 55% in the Winter Session and pass in 65% of credits taken. A student who fails a year will be required to discontinue studies in the Faculty for at least one year but is eligible to apply for readmission after that year. A student who fails a second time will be required to withdraw. In a failed year a student will be granted credit for all courses passed.</p> <p>A student who withdraws during Term 2 of Winter Session after obtaining less than 55% on the December examinations will not be readmitted for the following Winter Session but is eligible to apply for readmission after that year.</p> <p>In order to advance in the Faculty of Applied Science, students normally must have met the Language Proficiency Index (LPI) requirement by April 30 to be eligible for admission to a program at the second-year level. (See <u>Language Proficiency Index Requirement for First Year English</u>.) They must also complete ENGL 112 (or equivalent) prior to promotion to third year, and APSC 201 prior to promotion to fourth year.</p> <p>Term essays and examination papers may be refused a passing mark if they are noticeably deficient in English.</p> <p>Type of Action: Modify description of regulations.</p> <p>Rationale: The general University regulations changed from sessional evaluations to term-based evaluations. This change to the Faculty-specific is complementary to that change.</p> <p>The single Advancement heading has been changed to three separate headings for clarity.</p> <p>Category 1 Document ID#: n/a</p>	
				Standing Assigned																				
		In Good Standing	On Probation	Failed																				
Current Standing	In Good Standing	Ave \geq 55% CP \geq 65%	otherwise	-																				
	On Probation (first time)	Ave \geq 60% CP = 100%	Ave \geq 55% CP \geq 65%	otherwise																				
	On Probation (second consecutive time)	Ave \geq 60% CP = 100%	-	otherwise																				

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<p>Communication Requirement The Faculty of Applied Science recognizes that good communication skills in English are essential to the understanding of course material and to the successful practice of engineering. Term essays and examination papers may be refused a passing mark if they are poorly written</p> <p>Students must obtain a Language Proficiency Index (LPI) score of 5, unless exempt, prior to taking a first-year English course. Exemptions from the LPI requirement are listed in the Faculty of Arts section of the Calendar under The LPI Examination.</p> <p>Students must have the LPI requirement before being permitted to continue with the second year of their programs.</p> <p>Students must pass ENGL 112 or its equivalent before being permitted to continue with the third year of their programs.</p> <p>Students must pass APSC 201 before being permitted to continue with the fourth year of their programs.</p> <p>Any student who does not meet one of these timing requirements will be permitted to take up to 12 credits in the first term after the requirement is not met, but will not be allowed to take any courses, other than ENGL 112 or APSC 201 as appropriate, after that time.</p>	
<p>Department: ELECTRICAL AND COMPUTER ENGINEERING Faculty Approval Date: <i>to be presented at Feb 15 Faculty Mtg.</i></p>	<p>Contact Person: Dr. Andre Ivanov Phone: 2-6936 Email: ivanov@ece.ubc.ca</p>
EECE Undergraduate New Option	
<p>Effective Date: September 2007</p> <p>Proposed Calendar Entry: <i>(The placement of this option will follow the Biomedical Engineering Option and precede the Nanotechnology and Microsystems Option in the calendar.)</i></p> <p>...</p> <p>Electrical Energy Systems Option</p> <p>The Electrical Energy Systems Option in Electrical Engineering will provide students with theoretical and practical experience in the electric energy related fields. Students will be admitted at the third year level. Those who satisfactorily complete the following program will be given recognition as receiving the Bachelor of Applied Science in Electrical Engineering (Electrical Energy Systems Option).</p> <p>TRADITIONAL THIRD YEAR</p> <p>STAT 251</p> <p style="text-align: right;">3</p>	<p>URL: n/a</p> <p>Present Calendar Entry: n/a</p> <p>Action: New Option.</p> <p>Rationale: To provide students with a solid foundation in Electrical Engineering as well as specific training in subjects that are becoming increasingly important as the world's energy production and consumption is facing revolutionary changes affecting all technologies and requiring higher efficiency for achieving sustainable industrialized future, and to set the stage for dealing with ever-increasing complexity of the energy-handling and energy-dependent systems and/of infrastructures. Particular challenge areas include:</p> <ul style="list-style-type: none"> • Harvesting energy from renewable and sustainable resources • Integrating alternative energy sources • Operation of modern electric grid closer to its physical capacity

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<p>EECE 314 3</p> <p>EECE 352 3</p> <p>EECE 353 3</p> <p>EECE 356 4</p> <p>EECE 359 3</p> <p>EECE 360 3</p> <p>EECE 361 2</p> <p>EECE 364 4</p> <p>EECE 373¹ 4</p> <p>Complementary Studies Electives¹ 6</p> <p>Total Credits 38</p> <p>¹ See Complementary Studies Courses, p. 97.</p> <p>Effective Date: September 2008</p> <p>Fourth Year</p> <p>APSC 450 2</p> <p>EECE 450 3</p> <p>EECE 474 6</p> <p>EECE 496³ 5</p> <p>EECE 458 3</p> <p>EECE 492 3</p> <p>EECE 493 3</p> <p>Technical Electives⁴ 15</p> <p>Total Credits 40</p> <p>³ The project will have electric energy systems focus with preferable involvement from industry.</p> <p>⁴ To be chosen from the list of fourth year electives available from the Department, nine credits of which must be chosen from the courses with energy systems focus.</p> <p>...</p>	<ul style="list-style-type: none"> Advanced protection and control schemes for preventing large-system-blackouts Increasing resiliency of electrical energy infrastructures Achieving higher efficiency of energy conversion and storage at all levels and applications <p>The option will provide students with theoretical and practical experience in the electric energy related fields. It will also continue to establish British Columbia as a centre of engineering expertise and advanced technological solutions for sustainable and environment-friendly future.</p> <p>Examples of suggested electives for Fourth Year: EECE 459: Computer Applications in Power Systems EECE 497: Power Systems Protection EECE 495: Industrial Drives MECH 470: Energy Conversion Systems CIVL 415: Water Resource Engineering</p> <p>Category 1 Document ID#: EECE UG001</p>
<p>Effective Date: September 2008.</p> <p>Proposed Calendar Entry:</p> <p>Biomedical Engineering Option:</p> <p>...</p> <p>Fourth Year</p> <p>APSC 450 2</p> <p>EECE 432 3</p> <p>EECE 433 3</p> <p>EECE 434 3</p> <p>EECE 450 3</p> <p>EECE 474 6</p> <p>EECE 496 5</p> <p>Complementary Studies Electives¹ 3</p> <p>Technical Electives² 12</p> <p>Total Credits 40</p> <p>¹ See Complementary Studies Courses, p. 97.</p> <p>² To be chosen from a list of electives available from the Department.</p>	<p>URL: http://www.students.ubc.ca/calendar/index.cfm?tree=12,195,272,39</p> <p>Present Calendar Entry:</p> <p>Biomedical Engineering Option:</p> <p>...</p> <p>Type of Action: Revise calendar statement to include fourth year of program.</p> <p>Rationale: Addition of Fourth Year course requirements, following on from Third Year offered for the first time in 07W. This is the same version of 4th year listed in the original supporting documents.</p> <p>Category 1 Document ID#: n/a as this option was approved in its entirety in Spring 2006.</p>
EECE Undergraduate New Course(s)	
Effective Date: September 2007	URL: n/a
Present Calendar Entry:	Present Calendar Entry: n/a

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EECE 497 (3) POWER SYSTEMS PROTECTION. Analysis of disturbances, security of power systems, cascading and blackouts; role and impact of protection; transducers and measuring elements; protection of transmission and distribution systems; protection of generators, substation equipment, special protection systems and relays. [3-0-0] <i>Prerequisite:</i> EECE 458, and one of EECE 373, EECE 374.	Action: New course. Rationale: This course has been offered two times in the past as EECE 491X. As the subject of power systems protection is important for the Electrical Energy Systems option, this course will be given a permanent number and will be offered once per academic year. Category 1 Document ID#: EECE UG002
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Vice President Academic and Provost
6328 Memorial Road
Vancouver, B.C. V6T 1Z2
Tel: 604-822-4948
Fax: 604-822-3134

MEMORANDUM

March 12, 2007

To: Senate
c/o Lisa Collins, Assistant Registrar, Senate & Curriculum Services

From: George A. Mackie
Vice President Academic and Provost *pro tem*

A handwritten signature in black ink that reads "George A. Mackie".

Re: **Three Chairs within the UBC Institute of Mental Health:**
The Sauder Chair in Child and Adolescent Psychiatry
The Sauder Chair in Geriatric Psychiatry and Depression
The Sauder Chair in Psychotherapy

Recommendation:

I recommend that Senate approve the establishment of the following three Chairs made possible by funding to the UBC Institute of Mental Health Endowment Fund from Mr. and Mrs. William and Marjorie-Anne Sauder (through Sauder Industries Limited), and the provincial government:

The Sauder Chair in Child and Adolescent Psychiatry
The Sauder Chair in Geriatric Psychiatry and Depression
The Sauder Chair in Psychotherapy

Rationale:

The UBC Institute of Mental Health (UBCIMH) will provide leadership in creating, applying and disseminating knowledge in order to greatly improve the early diagnosis and treatment of mental illness, including depression, for people at all stages of life. The UBCIMH will provide a framework in which the incumbents of the Sauder Chair in Child and Adolescent Psychiatry, the Sauder Chair in Geriatric Psychiatry and Depression, and the Sauder Chair in Psychotherapy, together with other scientists and clinicians working across disciplines are brought together to work on common mental health problems. The UBCIMH will foster collaboration across institutions and regions, which is vitally important for increasing mental health research capacity, improving the quality of mental health research and providing a more unified approach to effecting change in mental health service delivery, health policy and the mental health of populations.

Three Chairs in the UBC Institute of Mental Health:

The Sauder Chair in Child and Adolescent Psychiatry; the Sauder Chair in Geriatric Psychiatry and Depression; and the Sauder Chair in Psychotherapy
March 12, 2007

The Chairs will:

- a) build on recent advances in the fields of neuroscience, brain imaging, molecular genetics, and psychotherapy, to foster discover, innovation and creation of new knowledge;
- b) translate these advances into clinically effective preventative, diagnostic and treatment strategies by conducting research that involves direct interaction with patients; and
- c) ensure, through training and education, their application in everyday clinical practice throughout the province of British Columbia.

The Chairholders will hold a Ph.D. and/or M.D. degree, be eligible to receive an academic, tenured appointment at the University of British Columbia, and have attained international recognition as leaders in their fields. The Chairs will reside in the UBC Institute of Mental Health, an institute within the Faculty of Medicine.