

THE UNIVERSITY OF BRITISH COLUMBIA | OKANAGAN



OKANAGAN SENATE SECRETARIAT Enrolment Services Senate and Curriculum Services

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THE OKANAGAN SENATE

AGENDA

Wednesday 23 September 2009

2:30 pm to 4:30 pm

LIB 317 | UBC OKANAGAN CAMPUS

1. Senate Membership (information)

- a. Introduction of Secretary to Senate – Professor Stephen Toope
Mr. James Ridge, Associate Vice-President and Registrar
- b. Call or Nominations and Notice of Election – Mr. James Ridge
This is a call for nominations for one (1) Senator to serve as Vice-Chair of Senate for a term of one year until replaced, pursuant to s. 37(1)(a) of the *University Act*. Nominations deadline is 30 September 2009. If necessary, an election will be held at the 21 October 2009 meeting of Senate.
- c. Declarations of Vacancy – Mr James Ridge
One (1) representative of the Students At-large to replace resigning member Mr. Gary Cowan.
One (1) faculty representative of the Faculty of Health and Social Development to replace Dr. Craig Mitton.
- d. Declaration of Vacancy and Notice of Replacement under Section 13 of the *Rules and Procedures of the Okanagan Senate* – Mr. James Ridge

Dr. Jonathan Holzman assumes the seat of resigning Senator Dr. Jennifer Gustar as Representative from the Joint Faculties.

2. **Minutes of Previous Meetings – Professor Stephen Toope**
 - a. **Minutes of the Previous Meeting, 6 May 2009** (approval) (circulated – Item 2a)
 - b. **The Special Meeting of Senate to Consider the Administrative Organization of Graduate Studies at UBC Okanagan, 9 September 2009** (approval) (circulated – Item 2b)

3. **Business Arising from the Minutes – Professor Stephen Toope**
4. **Remarks from the Chair and Related Questions – Professor Stephen Toope**
5. **From the Board of Governors – Professor Stephen Toope**

Confirmation that the following items approved by the Okanagan Senate were subsequently approved by the Board of Governors as required under the *University Act* (information)

Senate Meeting of 8 April 2009

Curriculum proposals from the Faculties of Applied Science, Arts and Sciences, and Health and Social Development.

The establishment of the Institute for Healthy Living and Chronic Disease Prevention.

Senate Meeting of 6 May 2009

Curriculum proposals from the Faculties of Arts and Sciences, Creative and Critical Studies, Education, Health and Social Development, and the College of Graduate Studies.

The amendment to the resolution approved on 11 March 2009 that the pre-requisites for all first-year English courses be amended to change the effective date from 2009 Winter to 2010 Winter.

6. **Deputy Vice-Chancellor's Remarks – Dr. Doug Owram**
7. **Report from the UBC Faculty of Medicine – Dr. Doug Owram**

Introduction of the Southern Medical Program – Dr. Gavin Stuart, Dean of the Faculty of Medicine, UBC Vancouver and Dr. Allan Jones, Regional Associate Dean, Faculty of Medicine and Associate Vice-Provost, Medical Sciences at UBC Okanagan for the Southern Medical Program

The Chair calls for the following motion:

That the Okanagan Senate officially welcome to UBC Okanagan the Southern Medical Program and representatives of the UBC Faculty of Medicine.

8. Academic Policy Committee – Dr. Jan Cioe

- a. Next Steps – The Administrative Organization of Graduate Studies at UBC Okanagan – Oral Report (information)

9. Curriculum Committee – Mr. Christopher Eaton, Acting Chair

Curriculum Proposals from the Faculty of Applied Science (approval) (circulated – Item 9)

10. Admissions and Awards Committee – Dr. Spiro Yannacopoulos, Acting Chair

- a. New Awards (approval) (circulated – Item 10a)
- b. Admissions Proposal: Academic Leave (approval) (circulated – Item 10b)

11. Report from the Associate Vice-President, Enrolment Services and Registrar – Mr. James Ridge

Preliminary Enrolment Report, UBC Okanagan, UBC Vancouver (information) (Item 11 – circulated)

12. Other Business

**Regrets: Nathalie Bomberg (250) 807-9259 or email nathalie.bomberg@ubc.ca
UBC Senates and Council of Senates website www.senate.ubc.ca**

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OKANAGAN SENATE

MINUTES OF 6 MAY 2009 – DRAFT

Attendance

Present: Dr. D. Owram (Deputy Vice-Chancellor & Vice-Chair), Ms. S. Morgan-Silvester (Chancellor), Mr. B. Silzer, (Associate Vice-President, Enrolment Services, and Registrar), Dr. A. S. Abd-El-Aziz (Provost), Dean T. Aboulnasr, Dr. P. Arthur, Dean R. Belton, Ms. S. Bertrand, Ms. M. Burton, Mr. N. Cadger, Dean R. Campbell, Dr. J. Castricano, Dr. J. Cheng, Dr. J. Cioe, Mr. G. Cowan, Dr. F. de Scally, Dr. M. Duran-Cogan, Dr. C. Hodge, Dr. J. Johnson, Mr. S. Joseph, Dr. A. Joy, Dr. D. Keyes, Dean M. Krank, Ms. C. Kuhn, Dr. R. Lalonde, Dr. G. Lovegrove, Dr. S. McCoubrey, Dr. H. Najjaran, Dr. B. Nilson, Dr. G. Pandher, Ms. L. Patterson, Dr. C. Robinson, Dean I. Stuart, Dr. S. Yannacopoulos, Ms. G. Zilm

Guests: Dr. B. Bauer, Ms. L. Collins, Mr. C. Eaton, Ms. M. Kruiswyk, Mr. L. Mueller, Mr. F. Vogt

Regrets: Mr. G. August, Ms. C. Cody, Ms. L. Driscoll, Mr. P. Emerson, Dr. J. Gustar, Ms. C. Hopkins, Mr. A. Hu, Mr. J. Kent, Ms. R. L’Orsa, Acting Dean C. Mathieson, Dr. C. Mitton, Dr. B. O’Connor, Dr. M. Rheault, Ms. W. Rotzien, Dr. C. Scarff, Dr. B. Schulz-Cruz, Acting Dean K. Rush, President S. J. Toope, Mr. D. Vineberg, Ms. J. Walker

Recording Secretary: Ms. N. Limbos-Bomberg

Call to Order

The Vice-Chair called the meeting to order.

Senate and Committee Membership

Mr. Silzer acclaimed two Student Senators to the Nominating Committee until 31 March 2010 and thereafter until their successors are elected: Ms. Stephanie Bertrand and Mr. Gary Cowan.

Minutes of the Previous Meeting, 8 April 2009

Moved: Dr. Lalonde

Seconded: Dr. de Scally

That the minutes of the Okanagan Senate Meeting of 8 April 2009 be adopted as circulated.

Carried.

Business Arising from the Minutes

There was none.

Deputy Vice-Chancellor's Remarks

Dr. Owram welcomed Chancellor Sarah Morgan-Silvester to Senate.

CERTIFICATE OF APPRECIATION FOR BRIAN J. SILZER, ASSOCIATE VICE-PRESIDENT, ENROLMENT SERVICES AND REGISTRAR

Dr. Owram recognized Mr. Silzer's last meeting in the Okanagan as his term as Associate Vice-President, Enrolment Services and Registrar, a position he has held since 2002, ends June 30th, 2009.

Dr. Owram described Mr. Silzer as an experienced university administrator of forty-one years, serving eighteen as Registrar at the University of Alberta, and seven here at UBC. UBC Okanagan was established during Mr. Silzer's term, and his insight was critical as the most challenging parts of the transition were negotiated with balance and humour. Dr. Owram concluded his remarks, complimenting Mr. Silzer on his understanding of university culture and his strong commitment to students.

Mr. Silzer expressed his appreciation at these unexpected words. He noted the amazing transformation of UBC Okanagan, and commented that the task of managing elements of the transition was always filled with excitement. Mr. Silzer expressed his gratitude to Mr. Fred Vogt as the face of the Registrar in the Okanagan, as well as to all colleagues across both campuses for their commitment to success.

HONORARY DEGREE NOMINATIONS

Dr. Owram noted that honorary degree nominations will be opening over the next month, and invited Dr. Peter Arthur, Chair of the Senate Learning and Research Committee, to make further comment.

Dr. Arthur noted a slight change in process for the 2010 nominations: an inter-collaborative approach with Vancouver in the form of one unique on-line nomination form accessed from a common website. New in 2010, nominators may select the campus to which to direct their nomination.

Dr. Owram encouraged Senators to nominate worthy individuals and by doing so, bring honour to the institution.

In response to a question from the floor, Dr. Arthur noted that nominators must select either the Okanagan or the Vancouver campus, but not both. Currently there are two May graduation ceremonies, and so two honorary degrees are ideally sought.

FACULTY OF MANAGEMENT COLLABORATION WITH THE SAUDER SCHOOL OF BUSINESS IN VANCOUVER

Dr. Owram provided an update on the progress of discussions with the Sauder School of Business. Overall there is a strong desire to maintain the Faculty of Management in the Okanagan and so thus far talks have centered around an enhancement of our program, rather than any dissolution or amalgamation. More will be confirmed in the next few weeks. Dr. Owram ceded further comment to the Provost.

Dr. Abd-El-Aziz added that discussions are ongoing with both the Dean of the Sauder School of Business and the Dean of the Faculty of Management. He confirmed that the Faculty of Management name will remain.

Responding to a Senator inquiry, Dr. Owram confirmed that any and all items requiring Senate approval will indeed be brought before Senate.

Granting of Degrees

The Chair called for the following motion:

Moved: Dr. Lalonde

Seconded: Dr. Cioe

That the candidates for degrees, as recommended by the Faculties and Schools, be granted the degrees for which they were recommended, effective May 2009, and that a committee composed of the Registrar, the appropriate Dean, and the Chair of the Okanagan Senate, be empowered to make any necessary adjustments (2/3 majority required).

The motion was put and carried.

From the Council of Senates

2009/2010 Budget Update

On behalf of the Committee, Chair Dr. Keyes presented an informational update to the Senate on the development of the 2009/2010 budget. The Council of Senates Budget Sub-Committee (also the membership of the Okanagan Senate Academic Building and Resources Committee) consulted with the Deputy Vice-Chancellor on two key initiatives: teaching spaces, and the development of a transportation plan including issues of sustainability.

In response to the questions regarding teaching spaces, Dr. Keyes clarified that retrofitting lecture halls included resolving issues of fixed seating in favour of flexible

seating to support discussion and team-based teaching and learning approaches. While it is the dream of the Committee to address these issues in depth, it falls beyond their scope as they act in an advisory capacity only. Dr. Keyes noted that currently Mr. Don Thompson, Director of IT Services, is addressing teaching spaces from a technological perspective.

Mr. Cadger inquired if the Committee was exploring the need for an additional large-capacity lecture theatre. Dr. Owram noted that the pending classroom space audit (to be reviewed by the Associate Registrar Mr. Fred Vogt) should inform campus space needs.

Dean Belton inquired after the relationship between the Budget Committee's discussions on teaching spaces, and the administrative committee led by Ms. Jackie Podger exploring similar issues. Dr. Keyes clarified that the Budget Committee seeks issues related to the Academic Plan while the administrative committee is more concerned with those that are day-to-day.

Agenda Committee

On behalf of the Committee, Acting Chair Dr. Keyes introduced two items.

OKANAGAN SENATE 23 SEPTEMBER 2009 MEETING TIME CHANGE

Moved: Dr. Keyes

Seconded: Dr. Cioe

That Section 16(a) of the Rules & Procedures of Senate be suspended to allow the regularly scheduled meeting of Senate on 23 September 2009 to commence at 2:30 p.m. instead of 3:30 p.m.

The motion was put and carried.

ORAL REPORT ON PROMOTION OF VISITOR ATTENDANCE AT SENATE

Acting Chair Dr. Keyes summarized the Committee's desire to see Senate raise its profile and further engage Student Senators.

One suggestion was to invite local media. Dr. Owram expressed some concern over this proposition, noting that it was important to easily distinguish between Senators and invited guests. Ms. Collins was recognized by the assembly. She noted that in Vancouver the Senate assigns specific seating areas for visitors and reserves the right to limit these spots to fifteen individuals maximum. In the Okanagan no such limit has proved necessary, and the Senate has left the management of visitors to the Secretariat.

Nominating Committee

STUDENT SENATOR COMMITTEE APPOINTMENTS

Moved: Dr. Cioe
Seconded: Dr. de Scally

That the following standing committee appointments be made, effective until 31 March 2010 and thereafter until successors are appointed:

The motion was put and carried.

COUNCIL OF SENATES MEMBERSHIP

Moved: Dr. Cioe
Seconded: Dr. Najjaran

That Senate elect Ms. Jennifer Walker and Ms. Stephanie Bertrand to the Council of Senates.

The motion was put and carried.

Academic Policy Committee

THE ADMINISTRATIVE ORGANIZATION OF GRADUATE STUDIES AT UBC OKANAGAN

On behalf of the Committee, Chair Dr. Cioe summarized the progress of this issue. Currently the Committee is reviewing the Simon Fraser University model where rather than having a faculty of graduate studies, a dean oversees a senate 'faculty council'. If the Okanagan were to follow this model, to ensure a unified approach, certain responsibilities currently under the jurisdiction of the Admissions and Awards and the Curriculum Committees would be re-directed to the new committee under Senate; all is subject to consultation, discussion, and approval of Senate. Dr. Cioe concluded that the Committee anticipates presenting its final report for discussion and decision in early September, well in advance of November's Senate meeting to consider the granting of degrees.

Dr. Hodge asked directly what problems the proposed new structure would eliminate. Dr. Cioe cited the powers of a faculty under the *University Act*. He added that beneath the issue of who signs the parchment lays the problem of IGS students, namely, with whom they associate as their home faculty. The proposed structure also is meant to create clarity in power and joint actions of faculties, laying to rest a long history in which a faculty structure was proposed but not accepted by Senate.

The Committee's final report, its recommendations, and all previous reports and findings will be made available through the Senate website.

Dean Krank agreed with some Senators that it was not clear which problems the proposed new structure would address. He sought clarification and requested that the Committee offer several options. Dr. Duran-Cogan concurred that a strong rationale for any

proposed model was required, and why the recommendations of the external review to create a faculty were not accepted.

If a resolution is not possible by the November Senate meeting, an extension of the current interim arrangement would be necessary. Mr. Eaton was recognized and read aloud the motion surrounding the current interim arrangement including the terminal date of May 2009.

Summarizing the wishes of several Senators, Dr. Castricano asked the Academic Policy Committee to offer the Senate a detailed explanation and rationale for resisting the recommendations of both the external and internal reports for the establishment of a faculty of graduate studies.

Curriculum Committee

As a non-member of Senate, Acting Chair Mr. Eaton was granted leave by the Senate to present two reports from the Curriculum Committee.

SENATE AMENDMENT TO IMPLEMENTATION DATE FOR FIRST-YEAR ENGLISH PRE-REQUISITES

Acting Chair Mr. Eaton requested that the Senate amend the proposal as previously approved. The Committee engaged in contentious debate but was moved by the argument advanced by Student Recruitment and Advising that the implementation date created difficulties for the university and confused students.

Moved: Dr. Keyes

Seconded: Dr. Duran Cogan

That the resolution approved on 11 March 2009 amending the pre-requisites for all first-year English courses be amended to change the effective date from 2009 Winter to 2010 Winter.

Discussion

Mr. Eaton noted that between 40 and 400 students are affected by this policy. Dr. Abd-El-Aziz expressed his feeling that implementing such a policy at the height of the recruitment season is difficult. He argued for Senate to implement a good decision correctly, and then to communicate it well.

Dr. Cioe indicated his support for the motion on a practical basis, agreeing that a student-centered approach was more desirable than one which was process-centered. Dr. Keyes as well spoke in support of the motion if the Associate Registrar saw no difficulty in its implementation. Mr. Vogt offered the support of Enrolment Services, noting that some responsibility as well rests with instructors, faculties, and others.

The motion was put and carried by the required 2/3 majority.

CURRICULUM REPORT

See also, 'Appendix A: Curriculum Summary.'

Moved: Dean Campbell

Seconded: Dean Krank

That Senate approve the new courses brought forward by the Faculties of Arts and Sciences, Creative and Critical Studies, Education, Health and Social Development, and the College of Graduate Studies as set out in the attached proposals.

Discussion

Dr. de Scally inquired after the vectors (3/6) for IGS 580. Dean Belton observed that the course will function similarly to other courses. A student may take this three-credit course twice.

Dr. Johnson inquired why the themes for the Interdisciplinary Graduate Studies (IGS) programs, set by the College of Graduate Studies, required Senate approval. Dean Krank replied that as a College its powers are limited by the *University Act*.

Mr. Eaton clarified for Senate that while one program IGS carried several themes. Each theme is notated on a student's transcript, much like a major. Mr. Eaton further clarified it is a set of courses that is recognized as a theme. Dr. Castricano offered that perhaps the term 'subset' was more accurate than theme, in relation to IGS.

In response to a query around the set of courses offered, Dean Krank noted that IGS follows a set of parameters as set out by Senate, with delegation to a program committee to set courses.

The motion was put and carried.

Admissions and Awards Committee

CANADIAN ABORIGINAL APPLICANTS

Chair Dr. McCoubrey summarized two proposals.

Moved: Dr. McCoubrey

Seconded: Dr. Najjaran

That Senate approve the proposed changes to the admission policy for Canadian Aboriginal Applicants.

Discussion

Mr. Lyle Mueller, Director of Aboriginal Programs and Services, was recognized by the Senate and responded to all questions.

Dr. de Scally inquired why the English requirement, as well as the full eighteen credits, must be from UBC Okanagan and not from another post-secondary institution. Mr.

Mueller explained that the policy is designed for those with an interest in UBC Okanagan but who do not meet the 24-credit requirement. The goal is to ensure that incoming students can carry a load of three courses per term. By stipulating that the courses be UBC Okanagan courses, rigor and content are known and credibility is guaranteed.

Dr. Johnson sought clarification on one point, whether UBC Okanagan currently accepts transfer credit from unrecognized institutions. Dr. Owram explained the BCCAT system in response.

In response to further questions, Mr. Mueller clarified for the Senate that this proposal addresses the application requirements to the University only and does not guarantee admission. Mr. Mueller described the policy as a 'first gate', but that there are subsequent gates at the faculty level. Approximately two to ten students are affected in the current year.

The motion was put and carried.

BACHELOR OF FINE ARTS, ADMISSION REQUIREMENTS

Moved: Dr. McCoubrey

Seconded: Dean Belton

That Senate approve the proposed changes to the admission policy for the Bachelor of Fine Arts.

The motion was put and carried.

ANNUAL REPORT ON ADMISSIONS APPEALS

For information and on behalf of the Committee, Chair Dr. McCoubrey presented the Annual Report on Admissions Appeals.

Dr. Cioe made a general comment about lack of readability on curriculum and admissions forms in the paper format and asked the changes be identified with underlining in addition to bolding.

Appeals of Standing and Discipline Committee

ANNUAL REPORT ON COMMITTEE ACTIVITIES

For information and on behalf of the Committee, Chair Mr. Cadger presented the Annual Report on Committee Activities.

Adjournment

There being no further business, the meeting was adjourned at 4:45pm.

**The following regular meeting of the Senate was scheduled for
Wednesday 23 September 2009 at 2:30pm to 4:30pm in Library 317.**

Appendix A: Curriculum Summary

Faculty of Arts and Sciences

1. The following new program and courses:
 - a. Major and Minor in Latin American Studies
 - b. ANTH 103 (3) Introduction to World Archaeology
 - c. ANTH 300 (3) Contemporary Theory in Anthropology
 - d. ANTH 320 (3) Central American Indigenous Medicine
 - e. ECON 370 (3) Benefit-Cost Analysis and the Economics of Project Evaluation
 - f. ECON 372 (3) Natural Resource Economics
 - g. GEOG 473 (3) Cartography and Society
 - h. MATH 463 (3) Special Topics in Mathematical Biology
2. The following revised course:
 - i. ECON 345 (3) Money and Banking
3. The following discontinued program:
 - j. Agroecology

Faculty of Creative and Critical Studies

1. The following new courses:
 - a. ARTH 201 (3) Art and Visual Culture through Film
 - b. HEBR 305 (6) Elementary Biblical Hebrew
 - c. IGS 580 (3/6) Graduate Workshop in Creative Writing
2. The following cross-listed courses:
 - d. CULT 315/ENGL 376 (3) Television Studies

Faculty of Education

1. The following new program and courses:
 - a. Graduate Certificate in Education
 - b. LLED 200 (3) Introduction to Writing in Academic and Professional Registers
 - c. LLED 201 (3) Introduction to Intercultural Communication and Socialization in Multicultural Contexts

Faculty of Health and Social Development

1. The following new courses:
 - a. HINT 505 (3) Relational Practices with Families in Oncology and Palliative Care

b. HMKN 310	(3)	Exercise Physiology II
c. HMKN 311	(3)	Exercise Prescription
d. HMKN 312	(3)	Laboratory Techniques in Exercise Science
e. HMKN 320	(3)	Health Education: Theory and Practice
f. HMKN 321	(3)	Exercise Psychology II
g. HMKN 322	(3)	Health Promotion and Physical Activity
h. HMKN 323	(3)	Introduction to Nutrition
i. HMKN 331	(3)	Physical Dimensions of Aging
j. HMKN 410	(3)	Cardio-Respiratory Disease: Pathology to Prescription
k. HMKN 499	(3/6)	Project in Human Kinetics

College of Graduate Studies

1. The following new program:
 - a. Interdisciplinary Graduate Studies Sustainability Theme

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SPECIAL MEETING
of
THE OKANAGAN SENATE

To Consider the Administrative Organization of the
Graduate Studies at UBC Okanagan

Minutes of Wednesday 9 September 2009 - **DRAFT**

Attendance

Present: Dr. D. Owram (Deputy Vice-Chancellor & Vice-Chair), Mr. J. Ridge (Associate Vice-President, Enrolment Services and Registrar), Dr. A. S. Abd-El-Aziz (Provost), Dr. P. Arthur, Ms. S. Bertrand, Mr. N. Cadger, Dean R. Campbell, Dr. J. Castricano, Dr. J. Cheng, Dr. J. Cioe, Ms. C. Cody, Dr. F. de Scally, Dr. C. Hodge, Ms. C. Hopkins, Mr. A. Hu, Dr. J. Johnson, Mr. S. Joseph, Mr. J. Kent, Dr. D. Keyes, Dean M. Krank, Ms. C. Kuhn, Ms. R. L'Orsa, Dr. R. Lalonde, Acting Dean C. Mathieson, Dr. S. McCoubrey, Acting Dean D. Muzyka, Dr. B. Nilson, Dr. B. O'Connor, Dr. G. Pandher, Ms. L. Patterson, Dr. M. Rheault, Dr. C. Robinson, Ms. W. Rotzien, Acting Dean K. Rush, Dr. C. Scarff, Dr. B. Schulz-Cruz, Mr. D. Vineberg, Ms. J. Walker, Dr. S. Yannacopoulos, Ms. G. Zilm

By Video-conference

Professor S. J. Toope (President and Vice-Chancellor)

Guests

Dr. B. Bauer, Ms. L. Collins, Mr. C. Eaton, Ms. M. Kruiswyk, Ms. L. Lipovsky, Mr. F. Vogt

Regrets

Ms. S. Morgan-Silvester (Chancellor), Dean T. Aboulnasr, Mr. G. August, Dean R. Belton, Ms. M. Burton, Ms. L. Driscoll, Dr. M. Duran-Cogan, Dr. A. Joy, Dr. G. Lovegrove, Dr. H. Najjaran

Recording Secretary

Ms. N. Limbos-Bomberg

Call to Order

Dr. Owram called the meeting to order.

Dr. Owram opened the meeting noting the importance of this discussion. He described the two stage format for the meeting: the first part was a public forum in which non-members of Senate were invited to express their views on graduate studies at UBC Okanagan and the recommendations as set out in the joint report of the Academic Policy Committee and the Nominating Committee; the second part was a formal Senate meeting. Non-members of Senate were welcome to remain present during Senate deliberations, but were reminded that only Senators may participate in debate and vote.

Dr. Owram welcomed Mr. James Ridge, Associate Vice-President, Enrolment Services and Registrar, and Dr. Daniel Muzyka, Acting Dean of the Faculty of Management and Dean of the Sauder School of Business in Vancouver.

THE ADMINISTRATIVE ORGANIZATION OF GRADUATE STUDIES AT UBC OKANAGAN**Remarks from the Deputy-Vice-Chancellor**

Dr. Owram offered his comments on the recommendations before Senate. Firstly, he noted that certain ambiguities such as the location of faculty authority require thoughtful consideration, specifically, whether a disciplinary Faculty or the graduate studies unit should dominate in decision making. Secondly, he recalled for Senators that while Graduate Studies was set up as a college in 2005, its powers and authorities were less than clear at that time. Thirdly, he summarized that since 2005 graduate studies in the Okanagan has seen rapid growth in the program and in its students, calling attention to the fact that students increased 38%; he observed that graduate student enrolment targets are expected to be met before undergraduate targets. Dr. Owram concluded that the program's rapid change makes it wholly appropriate to revisit its structure at this time.

Dr. Oworm summarized his remarks with several final thoughts: that equity and fairness around students be paramount, that the institution's credibility be carefully considered, and finally, that simplicity guides the design of any model to manage graduate programs.

The Joint Report of the Academic Policy Committee and the Nominating Committee

Dr. Jan Cioe, Chair of the Academic Policy Committee, offered a summary of the joint committee report via Power Point presentation.

Background and Introduction

Bringing the assembly's attention to the summary in the opening pages of the report, Dr. Cioe highlighted several key points. In 2005 UBC Okanagan established a College of Graduate Studies and so began offering graduate programs. He cited as primary reasons issues surrounding the Vancouver campus's graduate studies faculty status as it related to the *University Act* and a lack of clarity around the powers of faculties. Several prior reports relay this history. Late in 2007 an external review by two deans of faculties of graduate studies identified certain tensions and problems and subsequently recommended that the term 'college' as a name, as well as a lack of central authority, worked against the successful operation of graduate studies at UBC Okanagan. In October of 2008 a UBC Okanagan task force examined the external report and the majority came to the recommendation to create of a Faculty of Graduate Studies. Senate referred that recommendation to the Senate Academic Policy Committee for its consideration. The Academic Policy Committee decided not to focus on the name of the graduate studies unit, but instead looked closely at the processes around the administration of graduate programs and developed a series of areas of responsibilities that led to the Academic Policy Committee's eventual findings and recommendations.

A Shared Responsibility Model

Dr. Cioe stated that in this model, two entities would emerge: graduate studies and faculties (note: in this context the term "oversight" is used to mean the assurance that standards are met as set by Senate). While both the faculty and graduate studies would work together to maintain high standards, this shared responsibility model would differ from others in that the faculty would be assigned primary responsibility for program quality.

Some contextual examples were provided. Within the area of Student Recruitment and Admissions, front-line help would be offered by graduate studies, but further and more detailed knowledge and expertise would be offered by the faculties. Faculties would build relationships with students and would thereby be embedded in the student's education. Within the area of Student Financial Assistance, while Graduate Studies would have the final responsibility for organizing and managing financial details, the management of graduate teaching assistants, graduate research assistants, and other funding sources would lie with faculties. Within another aspect, Student Progress within Programs, graduate studies and the faculties would work in parallel (of special note under this function: faculties recommend students to the Senate for graduation and as such, the faculty dean signs parchments on behalf of the faculty). The function of Program Development would be more heavily-weighted towards the faculties based simply on the practical consideration of faculty resources. Finally, within Program Administration, Graduate Studies would make recommendations to Senate at arm's length.

The first recommendation before Senate was read:

That the Senate approves and recommends to the faculties that they approve the assignment of areas of responsibility for graduate students and graduate programs as listed above;

That upon approval of the faculties, the deans and Provost redistribute responsibilities for graduate students and graduate programs accordingly; and

That the Provost provide a status report to the Senate not later than the January 2010 Senate meeting on the implementation of this report.

College of Graduate Studies, Interdisciplinary Graduate Studies

Dr. Cioe noted the recommendation of the Academic Policy Committee that the unit classification remain as College of Graduate Studies headed by a Dean. In addition, as in the recommendations of the external review, the Academic Policy Committee recommended the creation of an Office of Interdisciplinary Graduate Studies (IGS) led by a Director and reporting directly to the Office of the Provost. In cases of dispute not easily resolved by the Provost between the Deans and the IGS director, issues would be brought to Senate.

The second recommendation before Senate was read:

That the Senate direct the Provost to establish an Office of Interdisciplinary Graduate Studies within the Office of the Provost as described above; and

That each faculty planning to offer a degree or degrees in Interdisciplinary Studies move to have such degrees created within their faculty.

Academic Oversight of Graduate Studies – Senate Establishment of a Graduate Council

Dr. Cioe noted the recommendation of the Academic Policy Committee to create a Graduate Council as a standing committee of Senate. This would offer an additional layer in the Senate structure and build on the knowledge base and expertise in university-wide issues through existing committees such as the Curriculum Committee, and the Admissions and Awards Committee (it was the consensus of the Academic Policy Committee that it would be beneficial to maintain together all things curriculum, rather than maintain together all things graduate studies). On behalf of the Academic Policy Committee, Dr. Cioe acknowledged that this structure may be perhaps less efficient; however, the Committee felt the benefits would outweigh the drawbacks.

The proposed composition is as follows:

Elected Members:

7 members of Senate, one of whom must be a graduate student

Ex officio Members:

Provost (voting), who shall be Chair

Academic Vice-president (voting)

Dean of Graduate Studies (voting)

Dean or designate from each Faculty at UBC Okanagan (voting)

Director, Office of Interdisciplinary Graduate Studies (IGS) (voting)

Chancellor (voting)

President (voting)

Registrar or designate (non-voting)

The proposed terms of reference are as follows:

To consider proposals from the Faculties and College of Graduate Studies and make recommendations to Senate or committees thereof on:

- Academic Policy matters and academic regulations solely affecting graduate students or programs;
- Admission & transfer policies for graduate students;
- Program Enrolment targets for new and continuing graduate students;
- Graduate awards policy and approval;

- Graduate curriculum matters, including the creation of new, changes to, or discontinuance of graduate degrees, programs, or courses, and any associated policies; and
- Any other matters relating to graduate education at UBC Okanagan.

The third recommendation before Senate was read:

That the Senate establish a Graduate Council with the composition and terms of reference recommended in this report; and that the body by that same name currently established in the College of Graduate Studies be discharged.

Dr. Owram thanked Dr. Cioe for his presentation of behalf of the Academic Policy Committee and the Nominating Committee.

He introduced Dr. Krank, Dean of the College of Graduate Studies, to speak to his discussion paper circulated to all Senators and the wider campus community earlier this afternoon.

Discussion Paper on the Future of Graduate Studies at UBC Okanagan

Dean Krank thanked Dr. Cioe for his presentation, and noted his own passion and experience in graduate studies administration.

Dean Krank offered further context on formation of graduate studies as a college at UBC Okanagan in 2005. At that time there was considerable discussion at the Vancouver campus on its structure as a faculty; to this day, it remains the Faculty of Graduate Studies and the issues that existed in 2005 have been largely resolved. Other points to consider were offered. Today the Okanagan boasts 493 students in a complex, dual-campus environment. Dean Krank asked that the assembly not confuse the issues of 2005 with those issues facing graduate studies today, or with what is best for graduate students.

Dean Krank noted that the external report cited a lack of clarity as a result of creating a college rather than a faculty. He suggested that one way of addressing this lack of clarity was to examine well-functioning models in similar institutions. He claimed that while the Academic Policy Committee drew from the practice of Simon Fraser University, there were three important differences between that practice, other standard models of graduate governance, and what had been presented today:

1. delegation and the lack of clarity of authorities and responsibilities;
2. decentralization of core graduate studies processes;

3. absence of a collegial governance model (unprecedented governance model).

Dr. Krank concluded his remarks.

Public Forum

Dr. Owram reminded participants that the Public Forum segment of the meeting was set aside for non-members of Senate to express their views on Graduate Studies at UBC Okanagan and the recommendations as set out in the joint report of the Academic Policy Committee and the Nominating Committee.

Dean Campbell, Dean of the Faculty of Education and Senator

Dean Campbell noted his faculty's satisfaction with the service received by Graduate Studies - with 114 current graduate students the Faculty of Education represents the largest constituent. On the subject of the external review, Dean Campbell noted that he was consulted and supported their report and recommendations; in comparison, he expressed his feeling that the report from the Academic Policy and Nominating Committees lacked proper consultation. In summary Dean Campbell expressed his concern over possible duplication of services, and advocated for a simpler and more standard model.

Ms. Jill Mitchell, Faculty of Social Work and current graduate student:

Ms. Mitchell echoed Dean Campbell's comment on the duplication of resources, and added that from her own experiences as a graduate student, she appreciates the current support from Graduate Studies.

Dr. Carole Robinson, Associate Dean of the Faculty of Health and Social Development and Senator

Dr. Robinson sought clarification on the allocation of responsibilities. She noted that much of what is being recommended in the report is already in practice, and functioning well in her opinion.

Dr. Carl Hodge, Barber School of Arts and Sciences and Senator

With over 400 students and growing, Dr. Hodge saw nothing in today's presentation that called for radical change; he preferred rather to make incremental changes based on strengths and weaknesses versus what some people believe graduate studies ought to be.

Professor Stephen J. Toope, President, UBC

The President expressed his wish that the voice of graduate students be brought to bear in all things, and that the route for student concerns be clearly established. In response Dr. Cioe noted that the proposal before Senate included an ombudsperson role within graduate studies. Other mechanisms included the assurance that students would be placed in the same faculty as their primary supervisor, and that the proposed Graduate Council membership would include a student representative.

Dr. Carol Scarff, Chair, Senate Nominating Committee and Graduate Coordinator, Faculty of Education

Dr. Scarff sought clarification on the differences between a college and a faculty model. Dr. Cioe described that in a centralized model, graduate studies maintains all power; often this structure does not sit well with the some faculties. He furthered an argument around historical practices, that faculties of graduate studies at established universities are often reluctant to change practices, but that there is an opportunity at a newer institution to avoid issues and problems by instituting a college structure immediately.

UBC Okanagan Graduate Students: Ms. Natasha Neumann (PhD candidate in Environmental Science) and Mr. Davin Carter (Chemistry)

Ms. Neumann spoke about her experience as a member of the internal task force that reviewed the external committee's recommendations. She expressed her appreciation for the areas of responsibility table as it presented a clear and logical framework, but she also inquired how it differed from current practice.

In response to her question around a 'collegial model', Dean Krank explained that the formation of a faculty creates a sense of membership; an elected graduate council too assures collegiality, to both reign in the Dean when required, and to advise Senate on matters of importance.

Mr. Carter offered both positive and negative anecdotal feedback on the current functioning of Graduate Studies.

Note: Public Forum ended, Okanagan Senate meeting began.

Senate Consideration of Recommendations

Dr. Owrarn reminded the assembly that non-members of Senate were welcome to remain present during Senate deliberations, but only Senators were permitted to participate in debate and vote.

Recommendation #1

Motion: Dr. Jan Cioe
Seconded: Dr. Spiro Yannacopoulos

That the Senate approves and recommends to the faculties that they approve the assignment of areas of responsibility for graduate students and graduate programs as listed above;

That upon approval of the faculties, the deans and Provost redistribute responsibilities for graduate students and graduate programs accordingly; and

That the Provost provide a status report to the Senate not later than the January 2010 Senate meeting on the implementation of this report.

Discussion*'College' versus 'Faculty'*

Dr. Cioe clarified that the decision to retain the current unit classification (or name 'College of Graduate Studies') is implicit in the series of motions before Senate.

Dr. de Scally asked whether it was possible to craft a similar table dividing areas of responsibility but under a faculty model. Dr. Cioe agreed that it was entirely possible, yet would involve significant changes and would carry consequences under the collective agreement and for faculty appointments. He again illustrated the inquiring method used by the Academic Policy Committee in developing these recommendations. They began with a division of responsibilities and from that allocation flowed their recommendation to maintain the current unit classification.

Dr. Yannacopoulos, as the Director of the School of Engineering, stated that many in the Faculty of Applied Science are dissatisfied with the College's current administration and noted that UBC Okanagan does not operate as many other research-intensive universities; specifically, he argued that the current administration impedes the development of the engineering program. Dr. Yannacopoulos argued that graduate supervisors and not the current Graduate Studies structure should be credited with attracting over 400 graduate students to UBC Okanagan. Speaking as a member of the internal task force, he voiced his opinion that the external reviewers were biased as they themselves held deanships of faculties, and not colleges. Further, Dr. Yannacopoulos stressed that the Academic Policy Committee worked hard to define responsibilities where faculties are in the position to make rules for their own disciplines, and

where student interest is paramount rather than any exercise of power. He expressed his support for the current motion before Senate.

Funding

Dr. Johnson spoke in favour of the motion, basing his support on the simple premise that faculties should only concern themselves with academic matters. He asked how under the proposed model equitable access to funding would be assured. Dr. Cioe reminded Senate that matters of resources lie with the Board of Governors alone, and Senate's role is strictly consultative. It is an appropriate role for Senate however to advise the administration on Senate's budgetary priorities.

Authority of Senate over Faculties

Dr. Robinson picked up on President Toope's earlier comments and inquired how an ombudsperson, placed within the College, would navigate the proposed lines of authority between graduate studies, the faculties, and Senate. Dr. Cioe offered several scenarios in which a student, in need of conflict resolution, would approach an independent ombudsperson who in turn would seek resolution from any combination of the faculty, proposed new Graduate Council, and even the Provost. Dr. Owram included the Senate as the terminal decision-maker in cases where all other avenues were unsuccessful in resolving the conflict.

Dean Krank challenged the notion that faculties are not subject to the authority of Senate and cited the first phrase of the second paragraph of the motion before Senate: "That upon the approval of the faculties...". He cited numerous examples in which Senate, and not the Dean of Graduate Studies, sets policy with regards to graduate student administration.

The Provost, Dr. Abd-El-Aziz, inquired as to the process followed if approval proved not possible between the faculties and the Provost.

Dr. Cioe noted for the assembly that both the Deputy Vice-Chancellor and the Provost have remained at arm's length throughout this process; the Academic Policy Committee has worked at length with the Senate Secretariat in the development of these recommendations. He explained that it is the role of Senate to consider material brought to it by the faculties, but it does not dictate to the faculties. The Senate recognized Ms. Collins, Associate Registrar, Senate and Curriculum Services and Associate Secretary to Senate. Ms. Collins noted that the Okanagan Senate operates much like the Vancouver Senate. It considers recommendations from the faculties whose powers are defined under the *University Act*. There is no suggestion by either the *University Act*, or the Secretariat, that the powers of Senate were somehow subordinate to those of the

faculties. In the typical order of things, a proposal about how faculties manage their academic affairs originates within faculties and comes to the Senate for approval.

Best Model for Scale

Acting Dean Dr. Mathieson described any current challenges within the College Graduate Studies as 'growing pains'. She wondered how the proposed structure would serve both large faculties such as the Irving K. Barber School of Arts & Sciences with extensive resources, as well as smaller faculties like Creative & Critical Studies with limited resources.

Dr. Castricano agreed, stating that Creative & Critical Studies has been growing in tandem with Graduate Studies, finding its own solutions to emerging challenges, and developing their own particular model through self-governance over academic functions. Dr. Castricano felt a more important issue was to clarify the administration of Interdisciplinary Graduate Studies (IGS) and described the current proposal as 'orphaning' IGS within the Provost's office.

Final Issues

Dean Krank summarized his strong feeling that there lacked clarity around many important issues and that alternative models had not been considered. He requested that a thoughtful faculty model be explored, one that would take into account such implementation details as corresponding Calendar language and standards of fairness.

Dr. Cioe again stressed the Academic Policy Committee's process in bringing forward these recommendations. Rather than focusing on name or status, they concerned themselves primarily with process and concluded that the model presented to Senate today was the best model. He welcomed Senate's vote.

Dr. Owram put the motion to a vote, reminding Senators that the Provost's Office had until January 2010 to implement the recommendations including Calendar language.

The motion was defeated: eleven (11) in favour, twenty-one (21) against.

Dr. Cioe withdrew the second and third motions.

There being no further business, the meeting was adjourned at 6:00pm.

THE UNIVERSITY OF BRITISH COLUMBIA | OKANAGAN



OKANAGAN SENATE SECRETARIAT

Enrolment Services

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3333 University Way

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23 September 2009

To: Okanagan Senate
From: Senate Curriculum Committee
Subject: September Curriculum Proposals (approval)

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

As such, the following is recommended to Senate:

Motion: *That Senate approve the new courses brought forward by the Faculty of Applied Science as set out in the attached proposals.*

Respectfully submitted,
Mr. Christopher Eaton
Acting Chair, Curriculum Committee



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23 September 2009

To: Okanagan Senate

From: Senate Curriculum Committee

Subject: September Curriculum Proposals

Attached please find the following for your consideration:

Faculty of Applied Science

1. The following new courses:
 - a. ENGR 415 (3) Reliability Engineering and System Safety/
ENGR 515 (3) Reliability Engineering and System Safety
 - b. ENGR 510 (3) Continuum Mechanics
 - c. ENGR 520 (3) Energy Transformations in the Environment
 - d. ENGR 532 (3) Project Planning and Control
 - e. ENGR 533 (3) Construction Engineering and Management
 - f. ENGR 534 (3) Road Safety Planning and Engineering
 - g. ENGR 536 (3) Sustainable Land Use and Transportation
 - h. ENGR 538 (3) Rock Engineering
 - i. ENGR 539 (3) Terrain Modelling and Analysis
 - j. ENGR 541 (3) Water Resource Modelling
 - k. ENGR 546 (3) Biological Treatment Processes
 - l. ENGR 549 (3) Environmental Risk Analysis
 - m. ENGR 558 (3) Power Electronics
 - n. ENGR 562 (3) Information Theory
 - o. ENGR 568 (3) Advanced Digital System Design
 - p. ENGR 571 (3) Radio Frequency Integrated Circuits
 - q. ENGR 572 (3) Photonic Engineering
 - r. ENGR 584 (3) Heat and Mass Transfer
 - s. ENGR 592 (3) Microfluidics
 - t. ENGR 593 (3) Computational Fluid Dynamics



UBC Okanagan Curriculum Proposal Form New or Change to Course or Program

Category: 1

<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 27/05/09 Effective Session: 2009W</p>	<p>Date: June 10, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u>ENGR 415 (3) Reliability Engineering and System Safety</u> <u>Reliability, maintainability and availability of systems, failures models and probabilistic risk analysis, failure mode effect analysis, fault tree analysis and event tree analysis, reliability and system improvement using design of experiments, Taguchi-based methods, quality function deployment. Credit will not be granted for both ENGR 415 and ENGR 515. [3-0-0]</u></p> <p><u>ENGR 515 (3) Reliability Engineering and System Safety</u> <u>Reliability, maintainability and availability of systems, failures models and probabilistic risk analysis, failure mode effect analysis, fault tree analysis and event tree analysis, reliability and system improvement using design of experiments, Taguchi-based methods, quality function deployment. Credit will not be granted for both ENGR 515 and ENGR 415.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New courses.</p> <p>Rationale: ENGR 415 is a new technical elective course added to support the B.A.Sc. programs in Civil and Mechanical Engineering at the School of Engineering, Faculty of Applied Science. The course will be cross-listed with a new graduate course, ENGR 515, which will support the M.Eng., M.A.Sc., and Ph.D. programs in the School of Engineering. The undergraduate version of “Reliability Engineering and System Safety” does not require students to present a term paper.</p>



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<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 27/05/09 Effective Session: 2009W</p>	<p>Date: May 15, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u>ENGR 510 (3) Continuum Mechanics</u> <u>Continuum concept. Introduction to tensor algebra and calculus.</u> <u>Kinematics of deformation and motion, stress and strain principles, fundamental laws and equations of continuum media. Linear elasticity. Classical fluids.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science. Both Civil and Mechanical Engineering graduate students will benefit from having this course.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 520 (3) Energy Transformations in the Environment</u> <u>Engineering applications of energy transformations in terrestrial systems. Earth thermodynamics, heat transfer, atmospheric circulation, thermal and wave energy in oceans, energy released via plate tectonic and volcanic activities.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 532 (3) Project Planning and Control</u> <u>Project planning and alignment,</u> <u>project control standards and</u> <u>deliverables, project selection</u> <u>process, project definition rating</u> <u>index, and risk management.</u> <u>Analytical heirarchical processes,</u> <u>and Monte-Carlo simulation in</u> <u>scheduling and costing.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 533 (3) Construction Engineering and Management</u> <u>Management of the firm: strategic planning, marketing, organizational structure and behaviour. Project delivery systems: traditional, construction management, turnkey. Network planning methods. Activity planning, including construction methods selection. Estimating, bidding and bonding. Project control tools and procedures. Safety and quality control. Credit will not be granted for both ENGR 533 and ENGR 433.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science. Note: this course will be cross-listed with ENGR 433: Construction Engineering and Management, which is a technical elective in the Civil Engineering program. The graduate version contains additional materials and design projects.</p>



UBC Okanagan Curriculum Proposal Form New or Change to Course or Program

Category: 1

<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 10/07/09 Effective Session: 2009W</p>	<p>Date: July 10, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u>ENGR 534 (3) Road Safety Planning and Engineering</u> <u>Quantifying the link between built form (land use) and road safety levels; data extraction, stratification, and aggregation; micro and macro-level generalized linear regression modeling; and road safety applications.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science.</p>



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<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 10/07/09 Effective Session: 2009W</p>	<p>Date: July 10, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u>ENGR 536 (3) Sustainable Land Use and Transportation</u> <u>Principles, data, and economics pertaining to the planning, design, and management of sustainable community land use and transportation systems. Credit will not be granted for both ENGR 536 and ENGR 436.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science. Note: this course will be cross-listed with ENGR 436: Transportation Planning and Design. The graduate version contains additional course materials and projects.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 538 (3) Rock Engineering</u> <u>Rock and rock mass properties and classifications. Structural mapping and stereonets. Rock and rock mass strength criteria. In situ stresses and excavation-induced stresses in rock masses. Rock slope stability analysis. Empirical, analytical and numerical analysis techniques for underground excavations. Rock support and stabilization. Credit will not be granted for both ENGR 538 and ENGR 438.</u></p> <p>ENGR 438 (3) Rock Mechanics and Rock Engineering Mechanical properties of intact rock. Rock mass properties and classifications. Structural mapping and stereonets. Rock and rock mass strength criteria. Stresses in rock masses. Rock slope stability analysis. Empirical, analytical, and numerical analysis techniques for underground excavations. Rock support and stabilization. <u>Credit will not be granted for both ENGR 438 and ENGR 538.</u> [3-2*-0] <i>Prerequisite:</i> ENGR 340.</p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students. Note: this course will be cross-listed with ENGR 438: Rock Mechanics and Rock Engineering, which is a technical elective in the Civil Engineering program. The graduate version contains additional materials and design projects using specialized geotechnical engineering software.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 539 (3) Terrain Modelling and Analysis</u> <u>Digital terrain models. Photogrammetry and lidar principles. Extraction of geometric and geological data from digital terrain and 3D photogrammetry models. Surface and underground engineering applications of terrain modelling.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: Creation of a new graduate course will strengthen and diversify the course selection available for graduate students.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 541 (3) Water Resource Modelling</u> <u>Water resources modelling as related to civil and environmental engineering applications. Physical and mathematical modelling of hydraulic systems. Water quality in estuaries, lakes, rivers, and distribution systems. Sedimentation and erosion processes.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 546 (3) Biological Treatment Processes</u> <u>Theory and practice of biological wastewater treatment including aerobic and anaerobic processes in suspended and attached growth reactors, treatment models, advanced treatment, sludge handling, and treatment plant design.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 549 (3) Environmental Risk Analysis Hazards, toxicity, exposure, vulnerability, and risk. Contaminant fate and transport, exposure and toxicity assessment, risk characterization. Risk assessment frameworks, uncertainty and sensitivity analyses, risk management and multi-criteria decision-making, risk communication, and case studies.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: The creation of a new graduate course will strengthen and diversify the course selection available for graduate students in the School of Engineering, Faculty of Applied Science.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 558 (3) Power Electronics</u> <u>Applications and roles of power electronics, power semiconductor devices, diode rectifiers, phase-controlled rectifiers, DC-DC converters, DC-AC converters, resonant converters. Examples drawn from residential and industrial applications. Credit will not be granted for both ENGR 558 and ENGR 458.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: This new course is added to support the M.Eng., M.A.Sc., and Ph.D. programs in the School of Engineering, Faculty of Applied Science. Note: this course will be cross-listed with ENGR 458: Power Electronics, which is a technical elective in the Electrical Engineering program. The graduate version requires students to present a paper from the IEEE Transactions on Power Electronics, or a related conference.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 562 (3) Information Theory</u> <u>Entropy, relative entropy, mutual information; entropy rates of a stochastic process; optimal codes and Huffman codes; channel capacity; channel coding theorem; differential entropy, Gaussian channel; rate distortion theory.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: This new course is added to support the M.Eng., M.A.Sc., and Ph.D. programs in the School of Engineering, Faculty of Applied Science.</p>



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<p>Proposed Calendar Entry:</p> <p><u>ENGR 568 (3) Advanced Digital System Design</u> <u>Design flows, system-on-chip design practices, timing, clock domains, high-speed data links, intellectual property reuse and platform-based design, application-specific integrated circuit and field-programmable gate array technologies, and hardware/software co-design. Credit will not be granted for both ENGR 568 and ENGR 468.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: This new course is added to support the M.Eng., M.A.Sc., and Ph.D. programs in the School of Engineering, Faculty of Applied Science. Note: this course will be cross-listed with ENGR 468: Advanced Digital System Design, which is a technical elective in the Electrical Engineering program. The graduate version requires students to present a paper from the IEEE Transactions, or a related conference.</p>



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Category: 1

<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 27/05/09 Effective Session: 2009W</p>	<p>Date: May 15, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u>ENGR 571 (3) Radio Frequency Integrated Circuits</u> <u>Introduction to radio frequency systems, RF transceiver architectures, analysis of gain, noise figure and linearity, monolithic active and passive components, low noise amplifiers, mixers, oscillators, and power amplifiers. Credit will not be granted for both ENGR 571 and ENGR 471.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: This new course is added to support the M.Eng., M.A.Sc., and Ph.D. programs in the School of Engineering, Faculty of Applied Science. This course will be cross-listed with ENGR 471: Radio Frequency Integrated Circuits, an existing undergraduate course.</p>



UBC Okanagan Curriculum Proposal Form New or Change to Course or Program

Category: 1

<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 27/05/09 Effective Session: 2009W</p>	<p>Date: May 15, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u>ENGR 572 (3) Photonic Engineering Integrated and fibre optic transmission structures, resonant and non-resonant optical sources and amplifiers, engineering and design issues for photonic receivers. Credit will not be granted for both ENGR 572 and ENGR 472.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: This new course is added to support the M.Eng., M.A.Sc., and Ph.D. programs in the School of Engineering, Faculty of Applied Science. Note: this course will be cross-listed with ENGR 472: Fibre Optics and Photonics, which is a technical elective in the Electrical Engineering program. In addition to the extended assignments, graduate students will be assigned a term paper on a topic of their choosing that is relevant to the applied focus of the photonics material.</p>



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Category: 1

<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 27/05/09 Effective Session: 2009W</p>	<p>Date: May 19, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u>ENGR 584 (3) Heat and Mass Transfer Heat exchanger design, heat transfer with phase change, radiation heat transfer, steady and transient mass diffusion, convective mass transfer, simultaneous heat and mass transfer. Credit will not be granted for both ENGR 584 and ENGR 484.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: This new course is added to support the M.Eng. M.A.Sc., and Ph.D. programs in the School of Engineering, Faculty of Applied Science. Note: this course will be cross-listed with ENGR 484: Heat and Mass Transfer, which is a technical elective in the Mechanical Engineering program. The graduate version contains additional materials and design projects.</p>



UBC Okanagan Curriculum Proposal Form New or Change to Course or Program

Category: 1

<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 27/05/09 Effective Session: 2009W</p>	<p>Date: May 15, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p>ENGR 592 (3) Microfluidics <u>Lab-on-a-chip technology; hydrodynamics of microfluidic systems; fabrication of microfluidic devices; microfluidics for external and internal flow control; diffusion, mixing, and separation in microsystems; digital microfluidics; electrowetting theory; lab-on-a-chip applications in engineering, biomedical science, and chemistry.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: This new course is added to support the M.Eng. M.A.Sc., and Ph.D. programs in the School of Engineering, Faculty of Applied Science.</p>



UBC Okanagan Curriculum Proposal Form New or Change to Course or Program

Category: 1

<p>Faculty/School: Engineering Department/Unit: N/A Faculty/School Approval Date: 27/05/09 Effective Session: 2009W</p>	<p>Date: May 15, 2009 Contact Person: Dwayne Tannant Phone: 250.807.8067 Email: dwayne.tannant@ubc.ca</p>
<p>Proposed Calendar Entry:</p> <p><u>ENGR 593 (3) Computational Fluid Dynamics</u> <u>Partial differential equations applied to flow and heat mass transfer modeling. Discrete systems, grid generation, finite volume method for diffusion, convection-diffusion problems, solution algorithms, finite element formulation. Finite element method for diffusion, convection-diffusion problems, case studies.</u></p>	<p>Draft Calendar URL: N/A</p> <p>Present Calendar Entry:</p> <p>Type of Action: New course.</p> <p>Rationale: This new course is added to support the M.Eng., M.A.Sc., and Ph.D. programs in the School of Engineering, Faculty of Applied Science.</p>

THE UNIVERSITY OF BRITISH COLUMBIA | OKANAGAN



OKANAGAN SENATE SECRETARIAT Enrolment Services Senate and Curriculum Services

University Centre · UNC 322C
3333 University Way
Kelowna, BC · V1V 1V7
Tel: (250) 807-9259 · Fax: (250) 807-8007
<http://www.senate.ubc.ca>

23 September 2009

To: Okanagan Senate
From: Admissions and Awards Committee
Subject: New Awards (approval)

That Senate accept the awards as listed and forward them to the Board of Governors for approval; and that a letter of thanks be sent to the donors.

BAUSCHKE Family Mathematical Analysis Prize: A \$500 prize is offered by the Bauschke family to a student with the combined highest standing in two or more third and/or fourth year Mathematical Analysis courses in the Irving K. Barber School of Arts and Sciences at The University of British Columbia Okanagan. The award is made on the recommendation of the Faculty. (First award available for the 2009/10 Winter Session)

Peter and Claire HARNETTY Prize in History: A \$500 prize has been endowed by Peter and Claire Harnetty for a student in second, third or fourth year of the Bachelor of Arts Program in the Irving K. Barber School of Arts and Science at The University of British Columbia Okanagan. The prize is made on the recommendation of the Faculty to recognize an outstanding essay in a History course. Dr. Peter Harnetty is a Professor Emeritus of Asian Studies at The University of British Columbia. (First award available for the 2009/10 Winter Session)

NOTE: The endowment for this award was previously held by the Okanagan College Foundation but is now being transferred fully to UBCO.

OKANAGAN Health Surgical Centre Award in Nursing: Awards totalling \$2,500 are offered by Okanagan Health Surgical Centre to third or fourth year students in the School of Nursing in the Faculty of Health and Social Development at The University of British Columbia Okanagan. The awards are made on the recommendation of the Faculty to students who have demonstrated an interest in and aptitude for surgical, perioperative and/or post-anesthesia recovery nursing. (First award available for the 2009/10 Winter Session)

For the Committee,
Dr. Sharon McCoubrey
Chair, Admissions and Awards Committee

THE UNIVERSITY OF BRITISH COLUMBIA | OKANAGAN



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23 September 2009

To: Okanagan Senate
From: Admissions and Awards Committee
Subject: Revisions to Policy on Academic Leave

The Admissions and Awards Committee is pleased to recommend the following admissions proposal to Senate:

i. Academic Leave

Amend the Calendar entry on Academic Leave, specifically clarify language around automatic eligibility to register for undergraduate programs.

Motion: *That Senate approve the proposed changes to the policy on Academic Leave.*

Respectfully Submitted,
Dr. Sharon McCoubrey
Chair, Admissions and Awards Committee



UBC Okanagan Calendar Change Proposal Form

<p>Approval Date:</p> <p>Effective Session: Currently in effect.</p> <p>Year for change: To be posted to the calendar upon approval for the purpose of advising students.</p>	<p>Date: July 23, 2009</p> <p>Contact Person: Rosalie Vlaar, Senior Policy Analyst Undergraduate Admissions 604-822-4240 rosalie.vlaar@ubc.ca</p>
<p>Type of Action: Clarify language regarding automatic eligibility to register for undergraduate programs, including an example.</p> <p>Rationale: The academic leave language approved in 2008 has resulted in some confusion among students and those who advise them. Whereas in past a UBC Okanagan student in good standing in 2008 Winter Session would be given eligibility to register in the same program for the 2009 Summer and 2009 Winter Sessions, that automatic eligibility under the new policy now extends into the next Summer (2010) and Winter (2010) Sessions – i.e. a second Winter Session of automatic eligibility. After that, the student would need to reapply for admission, at which point performance in studies taken elsewhere may be taken into consideration.</p> <p>Unfortunately, the previously-approved policy language focused on the sessions of eligibility (2 years worth), rather than presenting the policy from a student perspective – which is “How long can I take a leave for?” The answer should be one year, but the current policy says two (referencing the sessions of automatic eligibility to register), leading many students (and those who advise them) to interpret the new policy to mean that a student could take a leave for the 2009 and 2010 Winter Sessions and return in 2011 Winter Session without reapplying. This was not the intention.</p> <p>The proposed language modifications below clarify the original intent of the policy. They also now link students to information about Letter of Permission, should a student wish to take courses elsewhere while on leave.</p>	



<p>Proposed Calendar Entry:</p> <p><u>Policies and Regulations</u></p> <p><u>Homepage</u> > <u>Policies and Regulations</u> > Academic Leave</p> <p>Students in good academic standing may, in most programs, take an academic leave (time away from UBC studies) of up to one year. For example, a student in good academic standing after completing the 2008 Winter Session will automatically be eligible to register for the 2009 Summer, 2009 Winter, 2010 Summer, and 2010 Winter sessions.</p> <p>Students in cohort-based or limited enrolment programs are required to seek permission for an academic leave prior to departing due to a limited ability to accommodate leaves in such programs.</p> <p>Students with a student loan or scholarship are advised to consult with the Student Financial Assistance & Awards office prior to taking a leave as there may be financial implications.</p> <p>A student in good academic standing in their last session at UBC but who has not registered for more than one Winter Session must apply to re-enter their academic program of</p>	<p>URL from Draft Calendar:</p> <p>http://okanagan.students.ubc.ca/calendar/poof/edit/index.cfm?tree=3,326,0,0</p> <p>Present Calendar Entry:</p> <p><u>Policies and Regulations</u></p> <p><u>Homepage</u> > <u>Policies and Regulations</u> > Academic Leave</p> <p>A student who is in good academic standing may take an academic leave of up to two consecutive Winter Sessions.</p> <p>Students in cohort-based or limited enrolment programs are required to seek permission for an academic leave prior to departing due to a limited ability to accommodate leaves in such programs.</p> <p>Students with a student loan or scholarship are advised to consult with the Student Financial Assistance & Awards office prior to taking a leave as there may be financial implications.</p> <p>A student in good academic standing in their last session at UBC but who has not registered for more than two consecutive years must apply to re-enter their academic program of</p>
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<p>study. Readmission is not guaranteed. Students who are readmitted will be governed by the academic regulations and program requirements in effect at the time of readmission to the University and are advised to consult with an academic advisor.</p> <p>Students who wish to study at another institution while on leave are required to obtain a <u>Letter of Permission</u> <<hyperlink to Letter of Permission policy at http://okanagan.students.ubc.ca/calendar/index.cfm?tree=3,51,874,0 >> in advance.</p>	<p>study. Readmission is not guaranteed. Students who are readmitted will be governed by the academic regulations and program requirements in effect at the time of readmission to the University and are advised to consult with an academic advisor.</p>
<p>Proposed Calendar Entry:</p> <p><u>Admission to UBC Okanagan</u></p> <p><u>Homepage</u> > <u>Admission to UBC Okanagan</u> > Readmission</p> <p>Students may qualify for academic leave and be automatically eligible to register at UBC if they have been away from your program for less than one academic year. Please see the policy on <u>academic leave</u> <<hyperlink to the page on academic leave, above>> for more information.</p> <p>Students who have previously attended UBC and who are no longer automatically eligible to register may</p>	<p>URL from Draft Calendar:</p> <p>http://okanagan.students.ubc.ca/calendar/proof/edit/index.cfm?tree=2,273,0,0</p> <p>Present Calendar Entry:</p> <p><u>Admission to UBC Okanagan</u></p> <p><u>Homepage</u> > <u>Admission to UBC Okanagan</u> > Readmission</p> <p>Students who have previously attended UBC and who are no longer automatically eligible to register may</p>



<p>apply for readmission online at the Student Service Centre. There is a non-refundable \$60.00 application fee for all readmission applications.</p> <p>To qualify for readmission, students who are not eligible for academic leave and who have attended another post-secondary institution since last attending UBC will be required to submit transcripts for assessment.</p> <p>Please see Readmission & faculty transfer for more information.</p>	<p>apply for readmission online at the Student Service Centre. There is a non-refundable \$60.00 application fee for all readmission applications.</p> <p>Students who have attended any post-secondary institution(s) since their last attendance at UBC will be required to submit a transcript(s).</p> <p>Please see Readmission & faculty transfer for more information.</p>
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Preliminary Enrolment Report - UBC Okanagan 2009 (August 26, 2009)

Overall Enrolment

- As of August 26, 2009, UBC Okanagan has 6,015 registered students (5,325 as of same date 2008). Total enrolment can be disaggregated into 406 graduate students, 5,458 undergraduate students, and 119 unclassified, visitor, and Access Studies students.
- Undergraduate degree program headcount has grown to 5,458 students, a 12% increase over point-in-time 2008 (this figure excludes unclassified, visitor, and Access Studies students). Total undergraduate FTE (Full Time Equivalency¹) enrolment is currently at 4,908, a 15% increase over point-in-time. The fact that FTEs have increased more than headcounts suggests that the average UBC student is taking a slightly higher courseload than in 2008.
- Graduate enrolment has also grown to a total of 406 registered students, an increase of 39% (293 as of same time date 2008).

New Student Enrolment

- With 1,903 new students in undergraduate degree programs, UBC Okanagan has seen a 14% increase over 2008.
- Education, Applied Science, Human Kinetics, and Nursing are all expected to enroll new students to capacity. Human Kinetics has experienced the largest year-over-year growth, enrolling 117 new students (a 44% increase over point-in-time 2008).
- A good part of the growth in first year enrolment has come from the Central Okanagan School District (Kelowna) and the Okanagan Skaha School District (Penticton) with 335 and 56 new UBC O students, respectively (a 20% and 75% increase over previous year). This is a positive trend considering that Grade 12 enrolment in these two districts remained flat over previous year.
- In total, 383 students transferred to UBC Okanagan from other BC post-secondary institutions, an increase of 4%. Okanagan College continues to provide the largest source of transfer students, with 204 students transferring to UBC O this September (an increase of 13%).

International Student Initiative (ISI)

- UBC Okanagan has 138 new ISI students, an increase of 23% over previous year. At 293 new and continuing students, ISI enrolment makes up 5% of UBC Okanagan's total undergraduate population.
- The top countries of origin for international students are China, South Korea, and the United States. In total, UBC Okanagan's ISI population represents over 50 countries.

¹ Based upon 30-credit FTEs

Composition of the first year class:

UBC Okanagan (as of August 26 th , 2008 and 2009)					
Sec. school location	2009	2008		2009	2008
Okanagan	532	465	% male	45%	44%
Lower Mainland	286	246	% female	55%	56%
Rest of BC	214	212	Mean entrance average from sec. school	82%	80%
Rest of Canada	314	271			
Rest of the world	156	123			

- Students from “Rest of Canada” and “Rest of World” make up 21% and 10% of the first year class, respectively.
- Change in % of first year students receiving scholarship is the result of change to the President’s Entrance Scholarship, now being awarded at point of admission, not on final grades.

Admission Averages, 2008 and 2009:

	Direct Entry (1 st year)		Post-Secondary Transfer (2 nd /3 rd year)	
	Sept. 2009	Sept. 2008	Sept. 2009	Sept. 2008
Arts	Guaranteed admission at 75%		2.0	2.0
Engineering	Guaranteed admission at 75%		2.5	2.5
Fine Arts	67% and portfolio		2.0 and portfolio	
Human Kinetics	Guaranteed admission at 75%		2.0	2.0
Management	Guaranteed admission at 75%		2.0	2.0
Nursing	81%	79%	3.0	2.65
Science	Guaranteed admission at 75%		2.0	2.0

Preliminary Enrolment Report - UBC Vancouver 2009 (August 26, 2009)

Overall Enrolment

- As of August 26th, 2009, UBC Vancouver has 46,121 registered students (44,355 as of same date 2008). Total enrolment can be disaggregated into 9,350 graduate students, 32,248 undergraduate students (including residents), and 4,523 diploma, unclassified, visitor, and Access Studies students.
- Undergraduate degree program headcount has grown to 32,248 students, a 4% increase over point-in-time 2008. Total undergraduate FTE (Full Time Equivalency¹) enrolment is currently at 28,566, a 5% increase over point-in-time. The fact that FTEs have increased more than headcounts suggests that the average UBC student is taking a slightly higher courseload than in 2008.
- UBC Vancouver's undergraduate degree programs have an enrolment target of 28,346 registered students by October 1st, 2009 (domestic students only; international students are not included in enrolment targets). With 29,187 domestic students currently registered for classes, UBC Vancouver is 3% over target. This over-enrolment will likely be reduced as a small number of students typically withdraw within the first month of classes.
- The Faculty of Graduate Studies currently has 9,350 students registered, a 4% increase (8,982 as of same date 2008).

New Student Enrolment

- New student enrolment has grown; UBC Vancouver has 7,371 new students in undergraduate degree programs (excluding post-baccalaureate), a 7% increase. Much of the growth has come from international students and from direct-entry domestic students from the Lower Mainland.
- Most faculties are expected to achieve first-year enrolment targets (domestic), with the exception of Forestry, currently at 85% of target. Science and Applied Science (Engineering) are expected to over-enroll by up to 10%.
- BC college transfer has remained steady. In total, 1,467 students transferred from other BC post-secondary institutions to UBC Vancouver, a 2% increase. Despite a decrease in applications from BC's new regional universities (Capilano University, Kwantlen Polytechnic University, Vancouver Island University, and University of the Fraser Valley), transfer enrolment from these institutions remained constant (395 students, a 2% increase).

International Student Initiative (ISI)

- UBC Vancouver has seen significant growth in ISI enrolment -- 1,200 new ISI students, an increase of 20%. With 3,400 students (all year levels), ISI enrolment makes up 11% of UBC Vancouver's total undergraduate population.
- The top countries of origin for international students outside of B.C. are the USA and China. In total, UBC Vancouver's ISI population represents over 140 countries.

¹ Based upon 30-credit FTEs

Composition of the first year class:

UBC Vancouver (as of August 26 th , 2008 and 2009)					
Sec. school location	2009	2008		2009	2008
Lower Mainland	3,548	3,261	% male	48%	46%
Rest of BC	481	583	% female	52%	54%
Rest of Canada	687	676	Mean entrance average from sec. school	89%	87%
Rest of the world	1,215	965			

- Students from “Rest of Canada” and “Rest of World” make up 12% and 20% of the first-year class, respectively.
- Change in % of first year students receiving scholarship is the result of change to the President’s Entrance Scholarship, now being awarded at point of admission, not on final grades.

Admission Averages, 2008 and 2009:

	Direct Entry (1 st year)		Post-Secondary Transfer (2 nd /3 rd year)	
	Sept. 2009	Sept. 2008	Sept. 2009	Sept. 2008
Arts	84%*	82%	3.0	2.8 (2 nd year) 2.7 (3 rd year)
Sauder School of Business	84% + personal profile		2.5 + personal profile	
Engineering	83%	81%	2.5	2.5
Forestry	75%-78%	75%-78%	2.0 – 2.2	2.0 – 2.2
Human Kinetics	88%	87%	3.5 (2 nd year) 3.0 (3 rd year)	3.2 (2 nd year) 2.8 (3 rd year)
Land and Food Systems	83%	78%-80%	2.1 – 2.2	2.2 – 2.5
Science	88% or 84% + personal profile	87% or 84% + personal profile	2.2	2.1

Note: * For first choice BA applicants only; applicants with BA as a second choice were required to meet a higher GPA.