



York University
Faculty of Liberal Arts & Professional Studies
6th Meeting of Faculty Council

NOTICE OF MEETING

Thursday, April 8, 2010
3:00 pm – 5:00 pm

Senate Chamber

Agenda

1. Call to Order and Approval of the Agenda
2. Chair of Council's Remarks
3. Minutes of the **March 11, 2010** meeting.....1
4. Business Arising from the Minutes
5. Inquiries
6. Patrick Monahan, Vice-President Academic & Provost
 - Revised Draft For Discussion: White Paper, Canada's Engaged University: Strategic Directions for York University 2010-2020 (<http://vpacademic.yorku.ca/whitepaper/index.php>)
7. Report of the Dean
8. Report of the Chair of the Council of Masters
9. Report of the Faculty Representative on Senate
10. Question Period
11. Reports of Standing Committees of Council
 - i. Executive Committee.....4
 - ii. Academic Policy and Planning Committee.....5
 - iii. Committee on Curriculum, Curricular Policy and Standards (consent agenda).....15
12. Unfinished Business
13. Other Business for Which Due Notice Has Been Given
14. Other Business

2009 - 2010 Liberal Arts & Professional Studies Faculty Council Meetings are on the second Thursday of the month at 3:00pm in the Senate Chamber, N940 Ross:

May 13, 2010

June 10, 2010

June 17, 2010 (tentative)

June 24, 2010 (tentative)*

*meeting time: 11:00am – 1:00pm

All are welcome and encouraged to attend!



York University
Faculty of Liberal Arts & Professional Studies
LA&PS Faculty Council

Senate Chamber
Minutes of the 5th Meeting of Council
March 11, 2010
#110301

Attendance: S. Abdulla, M. Adriaen, J. Allen, C. Ashton, J. Ball, J. Beare, M. Beare, M. Belcourt, K. Bird, M. Blumberg, S. Bohn, B. Bradbury, M. Buccheri, M.H. Budworth, V. Caparello, D. Cohn, G. Cominell L. Cozzi, N. Couto, B. Crow, S. Davidson, M. Dick, M. Ducharme, J. Edmondson, C. Ehrlich, S. Ehrlich, P. Evans, I. Ferrara, N.S. Fisher-Stitt, A. Gekas, N. George, G. Ginsburg, B. Gleberzon, S. Goncalves, W. Hayden, M. Jacobs, N. Jazairi, R. Kana'an, E. Karpinski, A.Lileeva, S. Lino, K. Little, L. Lo, B. Lowinsky, D. Lumsden, E. Lunstrum, L. Lyons, A. MacLennan, S. Maiter, K. Michasiw, H. Moghissi, P. Monahan, L. Morrison, R. Myers, K. Ogata, R. Ophir, J. Parkinson, R. Power, A. Raja, L. Ripley, L. Sanders, G. Scardellato, M. Schwartz, S. Scott, S. Sevigny, R. Sheese, M. Singer, D. Skinner, I. Spletstoesser, G. Spraakman, M. Stein, S. Taman, P. Taylor, K. Thomson, S. Tweyman, G. Vanstone, L. Vosko, A. Weiss, R. Wellen, D. Woody, S. Zecevic, D. Zorn.

Guests: C. Deschamps, A. Gordon, A. Henry, F. Greene, S. Levesque, D. Pomerleau, B. Poser

1. Call to order and approval of agenda

The Chair of Council called the meeting to order.

It was moved, seconded, and carried that the agenda be approved.

2. Chair of Council's Remarks

The Chair announced that at this meeting of Council, Patrick Monahan, Vice-President Academic & Provost, will be discussing the draft of the Provostial White Paper. Council members will be invited to provide their comments and feedback on the paper. Following the Provost's presentation, Norma Sue Fisher-Stitt, Associate Vice-President, Academic Learning Initiatives, will be presenting to Council on the TD Community Engagement Centre and the Atkinson Centre for Mature & Part Time Students (ACMAPS).

The consent agenda was approved.

3. Minutes of the January 21, 2010 meeting

It was moved, seconded, and carried that the minutes of the January 21, 2010 meeting of Council be approved.

4. Business Arising from the Minutes

The Executive Committee is currently collecting information from other Faculties, Senate, and the Information and Privacy Office in relation to the audio and video taping of Council, Committee meetings, and forums.

5. Inquiries

There were none.

6. Special Presentation: Working Draft For Discussion: White Paper, Canada's Engaged University: Strategic Directions for York University 2010-2020

Patrick Monahan, Vice-President Academic & Provost, provided Council with an overview of the White Paper and discussed why

a White Paper is needed. Comments and questions were invited.

A question regarding the White Paper and the Faculty of Graduate Studies academic planning process was raised.

A question regarding funding for internationalization and experiential education activities was raised.

Members raised a concern regarding the comprehensive university. They noted that medical education is costly and that it should be carefully considered.

A concern was raised regarding the quality of incoming students and the overall average of 74 or above. It was noted that high school students' grades vary and that not all of the grades are equal.

Questions regarding the course evaluations implementation and accountability processes were raised. It was noted that it is important that the administration look at the course evaluations and report back on the quality of teaching at York.

Members raised concerns regarding the position of the Faculty and research funding.

A concern was raised regarding York being at the lower end of the list of services and courses provided through continuing education. It was noted that the University is supportive of continuing education initiatives.

Council members recommended that consideration should also be given to both commuting time and the on-campus experience for students, and that more effort should be made to address these areas. There should be a commitment made to support services for both special education and advising. Advising should be more efficient and not different at each level within the University.

7. Special Presentation: TD Community Engagement Centre and the Atkinson Centre for Mature & Part Time Students

Presentations were made on both the TD Community Engagement Centre and the Atkinson Centre for Mature & Part Time Students. Council members were encouraged to get involved.

8. Report of the Dean

Dean Singer discussed the process for the second phase of the strategic plan. He noted that during the months of March and April he will be meeting with the 25 academic units and that a more comprehensive report on the progress will be provided at the next meeting of Council.

Dean Singer discussed the \$1 million support fund given to the Faculty by the University in order to hire Contractually Limited Appointments (CLAs). There will be 25 hires.

9. Report of the Faculty Representative on Senate

Senator Adriaen provided Council with the report from the February 25, 2010 meeting of Senate. The focus of the meeting was a presentation by Vice-President & Provost Patrick Monahan on the White Paper and there was subsequent discussion. Senator Adriaen highlighted the following:

Under the *Inquiries and Communications* item an update on the last OCU meeting was given. The two items highlighted concerned the upcoming budget, and student mobility and pathways (where the government favours enhancement of student mobility between colleges and universities, modeled on the British Columbia system).

The Executive Committee reported on the statutory motion regarding membership on Senate committees, which was referred back to the Committee during the January meeting of Senate. A revised proposal will be presented at the March meeting of Senate.

The Senate Synopsis is available at:
<http://www.yorku.ca/secretariat/senate/synopses/2009-2010/100225Synopsis.pdf>

11.3 Committee on Research Policy and Planning

It was moved, seconded, and carried that Council approve the Faculty of Liberal Arts & Professional Studies (LA&PS) Minor Research Grant effective May 2010.

Council received as information items the initiatives that the Committee has been working on since September.

12. Unfinished Business

There was none.

13. Other Business for Which Due Notice Has Been Given

There was no other business for which due notice was given.

14. Other business

There was no other business.

15. Adjournment

It was moved, seconded, and carried that the meeting of the Faculty Council be adjourned.

C. Ehrlich, Chair of Council

L. Cozzi, Secretary of Council

10. Question Period

Due to time constraints question period was cancelled.

11. Reports of Standing Committee of Council

11.1 Executive Committee

It was moved, seconded and carried that the candidates for election to the Committee on Student Academic Petitions, the Committee on Teaching and Learning, and the Liberal Arts & Professional Full-Time Faculty Representatives on Senate be approved.

Council received the request for nominations for members to serve on the Liberal Arts & Professional Studies Faculty Council effective July 1, 2010. Nominations for the Vice-Chair of Council and the following Standing Committees of Faculty Council will be approved at the April meeting of Council:

Vice-Chair of Council
Executive Committee
Academic Policy and Planning Committee
Committee on Curriculum, Curricular Policy, and Standards
Tenure and Promotions Committee
Committee on Research Policy and Planning
Committee on Teaching and Learning
Committee on Student Appeals and Academic Integrity
Committee on Student Academic Petitions

11.2 Committee on Curriculum, Curricular Policy and Standards

The report was approved by consent.



Report 5
February 2010

ITEMS FOR INFORMATION (4):

1. Standing Committees of Council – Election Results:

• Committee on Student Academic Petitions

Phyllis Rozendal, *Department of English/Writing Department* (term ending June 30, 2012)
Andrey Stoyanov, *Department of Economics* (term ending June 30, 2012)

• Committee on Teaching and Learning – Contract Representative

William Gleberzon, *Department of History/Department of Humanities* (term ending June 30, 2010)

2. Liberal Arts & Professional Studies Full-Time Faculty Representatives on Senate - Election Results:

Brenda Spotton Visano, *Department of Economics/School of Public Policy and Administration*
(term ending June 30, 2012)

3. Extension of Nomination Period– Liberal Arts & Professional Studies Council:

The Executive Committee has extended the request for nominations to **April 21, 2010**.

At the May meeting of Council nominations will be approved for the Vice–Chair of Council and the following Standing Committees of the Faculty Council, effective *July 1, 2010*. Details regarding meeting dates and times are posted on the Faculty Council Website: <http://www.yorku.ca/laps/council/faculty/nomination.html>

Vice-Chair of Council
Executive Committee
Academic Policy and Planning Committee
Committee on Curriculum, Curricular Policy and Standards
Tenure and Promotions Committee
Committee on Research Policy and Planning
Committee on Teaching and Learning
Committee on Student Appeals and Academic Integrity
Committee on Student Academic Petitions

4. Request for Nominations - Liberal Arts & Professional Studies full-time Faculty Representatives on Senate:

The Executive Committee would like to announce that there will be a request for nominations for members to serve as Liberal Arts & Professional Studies full-time faculty representatives on Senate *effective July 1, 2010*. Details regarding meeting dates and times are posted on the Senate Website: <http://www.yorku.ca/secretariat/senate/index.htm>



Report 4
March 2010

ITEM FOR ACTION

Concurrent Dual Degree (BASc/BA) Program in Engineering and International Development Studies

The Academic Policy and Planning Committee recommends that Council approve the proposal for a Concurrent Dual Degree (BASc/BA) Program in Engineering and International Development Studies.

Proposal for a Concurrent Dual Degree (BASc/BA) Program in Engineering and International Development Studies

A nation's ability to solve problems and to initiate and sustain economic growth depends in part on its capabilities in engineering, which in turn determines the ability to provide clean water, good health care, adequate infrastructure, and safe food.¹

Whilst engineers must remain experts in their particular fields, they must also understand - and play an active part in - the interactions between infrastructure development, the environment, culture/society/community, the economy and the political/public/private/third sector organisations involved. Engineering for international development is not an apolitical activity.²

Society requires that engineering graduates be broadly educated, that they be knowledgeable about the society in which they live and work, that they be sensitive to the economic, social, political, environmental, cultural and ethical dimensions of their work.³

Statement of Purpose

The fields of Engineering and International Development are becoming increasingly linked. In Engineering, there is a thrust towards a more comprehensive education that goes far beyond simply developing engineering skills. Engineers are now taking serious interest in their role in sustainable development within a dynamic and evolving socio-political environment. Students in International Development are also becoming increasingly committed to assisting individuals and communities in achieving their broader development goals, including building infrastructure, strengthening capabilities of individuals and communities, and expanding the socio-economic choices of various disadvantaged communities. Such changing educational objectives have brought together the conventional fields of engineering and international development to create a better future for human development in the new millennium. With its diverse student body and many programs, York University is in a good position to develop a program that combines Engineering with International Development Studies. By doing so, we expect to attract a new group of students who might not necessarily come to either program by itself.

Such a program would advance York University's themes of interdisciplinary studies, internationalisation, and social responsibility.

¹ Royal Academy of Engineering 2006 Hinton Lecture "Redesigning African Economies: The Role of Engineering in International Development" Professor Calestous Juma, FRS

² Paul Jowitt in *Engineering Change: Towards a sustainable future in the developing world* Edited by Peter Guthrie, Calestous Juma and Hayaatun Sillem

³ Evolution of Engineering Education in Canada: A Report of The Canadian Academy of Engineering, Prepared by a task force chaired by Dr. Arthur Heidebrecht, December 1999

Engineering and International Development Studies (E&IDS) will combine the existing B.A.Sc. in Engineering with a B.A. in International Development Studies as a dual degree. E&IDS would be a five-year program (plus optional, development-related internship) leading to a student receiving both degrees.

In order to comply with the accreditation requirements for the Engineering programs, the proposed dual degree makes no changes to the engineering content. This also means that the same model may be applied to any new engineering programs that may be developed in the future.

The proposed structure combines elements of two existing types of program already offered at York University. Firstly, it is comparable to a second degree because the upper year IDS courses will be taken after most of the engineering degree is completed. However, the lower-level courses in the two disciplines should be taken concurrently in order to maximize the students' awareness of the interconnections between Engineering and IDS.

Secondly, the program is also similar to the concurrent B.Ed. programs in the Faculty of Education whereby a student can graduate with an Education degree and any one of the several undergraduate degrees at York, including a Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, among others.

In both cases, general education requirements must only be satisfied for one of the degrees.

University Undergraduate Degree Level Expectations (UUDLES)

Depth and Breath of Knowledge

These dual degrees are awarded to students who have demonstrated:

- a developed knowledge and critical understanding of the key concepts, methodologies, current advances, theoretical approaches and assumptions in both disciplines
- a developed understanding of many of the major fields in the disciplines, including from an interdisciplinary perspective, and how the fields may intersect with fields in related disciplines
- a developed ability to:
 - gather, review, evaluate and interpret information; and
 - compare the merits of alternate hypotheses or creative options, relevant to one or more of the major fields in a discipline
- a developed, detailed knowledge of and experience in research in an area of the discipline
- developed critical thinking and analytical skills inside and outside the discipline
- the ability to apply learning from one or more areas outside the discipline

Note: The E&IDS program offers students both an exceptional breadth of knowledge and depth of knowledge:

- Breadth of knowledge resulting from the combination of disparate materials from social sciences and the physical sciences;
- Depth of knowledge is derived from the extensive coverage of both engineering (a full degree) and IDS (equivalent to a second degree).

Knowledge of Methodologies

These dual degrees are awarded to students who have demonstrated an understanding of methods of enquiry in both disciplines that enables the student to:

- evaluate the appropriateness of different approaches to solving problems using well established ideas and techniques;
- devise and sustain arguments or solve problems using these methods; and
- describe and comment upon particular aspects of current research or equivalent advanced scholarship.

Note: Graduates from the E&IDS program are expected to be able to understand and to apply correctly the methodologies appropriate to each degree of study (BASc and BA). Moreover, they should be able to select between and balance the methodologies of the two disciplines in cases where there is overlap.

Communication Skills

These dual degrees are awarded to students who have demonstrated the ability to communicate information, arguments, and analyses accurately and reliably, orally and in writing to a range of audiences.

Note: Modern engineering programs emphasise oral and written communications are considered vital and are therefore included in many technical courses. This integration applies to the ENG1000 6.0 (Introduction to Engineering Design), ENG2001 3.0 (Engineering Projects: Management Economics and Safety), and ENG 3000 3.0 (Professional Engineering Practice) ENG 4000 6.0 (Engineering Project) courses because of their emphasis on project and group work and the associated documentation and presentation. Integral to many third- and fourth-year courses are individual or team projects that include reports, web pages, presentations

Explicit instruction in writing is provided during a one-hour-per-week writing workshop associated with ENG 1000 6.0 (Introduction to Engineering Design).

Communication skills are also considered to be critical throughout the IDS program in the form of written assignments and oral presentations.

Awareness of Limitations of Knowledge

These dual degrees are awarded to students who have demonstrated an understanding of the limits to their own knowledge and ability, and an appreciation of the uncertainty, ambiguity and limits to knowledge and how this might influence analyses and interpretations.

Note: Awareness of these factors is inherent in the awarding of an engineering degree because of the legal regulation of the practice of engineering.

Autonomy and Professional Capacity

These dual degrees are awarded to students who have demonstrated:

- qualities and transferable skills necessary for further study, employment, community involvement and other activities requiring:
 - the exercise of initiative, personal responsibility and accountability in both personal and group contexts;
 - working effectively with others;
 - decision-making in complex contexts;
- the ability to manage their own learning in changing circumstances, both within and outside the discipline and to select an appropriate program of further study;
- the capacity to use knowledge to solve problems, to generate ideas and to test hypotheses; and
- behaviour consistent with academic integrity and social responsibility.

Note: The Engineering programs contain elements of professional responsibility, ethics, environmental concerns, and communications as part of the requirements for accreditation.

Consistency with Unit Plans

The proposed program is designed to attract a new group of students whose interests lie at the intersection of technology and social responsibility.

This goal is completely consistent with the strategic plan of the School of Engineering whose vision is to be achieved by:

- Providing high-quality programs in a learning environment in which students, faculty and staff can excel;
- Fostering excellence, and innovative thinking in engineering education and research;
- Promoting the highest standards of professional engineering practice;
- Continuing to build partnerships with alumni, practicing engineers, industry, governments, and other external stakeholders.
- Internationalization of the program through understanding, relationships, participation and contributions to international programs and initiatives.

Each of these objectives is met by the E&IDS program. In addition, the proposed program supports the goals of the University Academic Plan by making international experiences accessible to students

in a wide range of programs, and by complementing international opportunities built into science programs through the iBSc degree structure.

Notes on the causal relationship of the proposed program's structure and curriculum for its expected learning outcomes are indicated in the UUDLES section above.

Admission Requirements

Students in the E&IDS program would be co-registered in FSE and LA&PS. Admissions, advancement and academic standing requirements would follow the normal procedures for Engineering, as required for accreditation.

Because the intention of the E&IDS program is to attract a new group of students, the primary admission mechanism would be direct entry in the Fall. However, transfers after first year of Engineering would also be possible.

As is clear from the scheduling of the program above, students would normally complete their degrees concurrently.

The principal exit option for students not wishing to complete the dual degree would be to transfer into the student's relevant engineering program. In earlier years, exit into a science program (usually Computer Science or Earth and Atmospheric Science) is also possible. The option to transfer solely into the IDS program in the Faculty of Liberal Arts & Professional Studies would always be an option for students who wanted to transfer out of the sciences.

Consultation

As described above, the structure of the program is conceptually similar to the concurrent B.Ed. degree at York University, while also having some similarities with the second-degree structure. No program with similar content currently exists.

This proposal was initiated by members of the School of Engineering (Faculty of Science & Engineering), the International Development Studies program (Department of Social Science, Faculty of Liberal Arts & Professional Studies), and the Associate Vice-President International, in consultation with, the Office of the Vice-President Academic & Provost and the Registrar's Office.

The appropriate consultations and approvals have been undertaken.

Need and Demand

We anticipate that the demand for the program will be fairly modest. Nevertheless, we believe that it is a natural reflection of York's strengths in globalisation, social justice and innovative programming and will be regarded as a leading example in the area.

Estimated enrolments are shown in the table below:

Year	2010 * (transfer s)	2011† (new admits)	2012	2013	2014
New Enrolments	2	5	8	10	12
Total	2	6	14	23	33

* Some existing student may switch to E&IDS at the start of their second year.

† First year of direct entry

Program Requirements

Engineering

York University offers three Engineering programs: Computer Engineering, Geomatics Engineering, and Space Engineering, leading to a Bachelor of Applied Science degree. Each of these disciplines has relevance to International Development, over and above the general applicability of the common engineering 'skill-set'.

The curricula are tightly controlled by requirements for accreditation by the Canadian Engineering Accreditation Board (CEAB). Each engineering program alone contains approximately 150 credits. Scheduling is complex, involving courses offered by eight units. Twelve of the credits are available for general education content, through which students must gain exposure to “the central thought processes of the humanities and social sciences.”

It is therefore strongly desirable to keep the engineering content of the E&IDS program identical to that in the current programs. However, by dispersing the engineering content over five years, instead of four, there is flexibility to incorporate IDS courses.

International Development Studies

The Bachelor of Arts degree in International Development Studies requires students to complete the following requirements:

- SOSC 1430 9.0 Introduction to International Development Studies
- SOSC 2800 6.0 Development in Comparative and Historical Perspective
- SOSC 3800 6.0 Development Studies and Research Methods
- 12 credits, including at least six credits in each of two areas of concentration, and including at least six credits at the 3000 or 4000 level.

In the future, additional courses that explicitly combine elements of the two fields might be introduced to further strengthen the proposed E&IDS program. Besides, the degree program seeks to provide students with opportunities for internships/field experiences in the broad field of international development that are designed to strengthen their current knowledge of sustainable development practices. Students are encouraged to accept an internship program hosted by a known development organization, including Engineers without Borders. It is important that students design their own field experience program in consultation with both E&IDS program and York International.

Development Internship

Students in the E&IDS program will be strongly encouraged to consider a not-for-credit, development-related internship position in the summer after their third year, so they may gain experience of development in a practical context. York International will provide financial and logistical support for all students in the program to take such an internship. Internship placements will be arranged at a wide variety of government and non-government organizations, both in Canada and abroad. They offer students a range of experiences from field internships to research and/or administrative placements.

Note: This internship is distinct from the Technology Internship Program (TIP).

Registration

Students must satisfy BAsC admissions requirements, as FSE is the home faculty of this program. Students may be admitted directly into the E&IDS program, or may choose to move into the program after their first year in the BAsC or BA IDS program. Upon successful completion of the program students will be awarded two degrees: Specialized Honours Bachelor of Applied Science (BAsC) and Bachelor of Arts (BA).

Program Credit Requirements

A student completing the requirements for both degrees would complete a minimum total of approximately 170 credits (depending on the specific Engineering program) comprised as follows:

- approximately 138 credits engineering (depending on program)
- 33 additional IDS credits

E&IDS students will complete mandatory courses from three different Faculties (i.e., Science and Engineering, Environmental Studies⁴, and Liberal Arts & Professional Studies). Electives are available

⁴ All Engineering programs require ES/ENVS 2150 3.0 Environment, Technology and Sustainable Society

in fine arts, humanities, anthropology, history, political science, and others from LA&PS and FES. With this combination of depth and breadth, the E&IDS program meets both the spirit of general education requirements at York University *and* the practice applied to second degrees. In particular:

- Students in the E&IDS program will be required to choose at least one HUMA course from the IDS elective courses
- 12 credits from IDS are intended to satisfy engineering general education requirements
- If a student has fulfilled the general education requirements for the E&IDS program, s/he will be deemed to have completed the general education requirements for either Engineering or IDS should they choose to transfer.

Scheduling

Course load *per se* is not the critical issue for E&IDS because the average course load per term for E&IDS will be slightly lower than for engineering alone. The primary challenge to implementing the proposed dual degree is scheduling. Constraints are as follows:

- Strong prerequisite structure for Engineering
- Prerequisite structure for 9- and 6-credit SOSC 1430, 2800, 3800 courses
- Maximum permissible/reasonable credits per year
- Maintaining a conflict-free schedule

In order to maintain the common engineering first year, SOSC 1430 would be taken by students in Year 2, followed by SOSC 2800 and SOSC 3800 in Years 3 and 4, respectively. Elective IDS courses and some engineering requirements would be taken in Year 5. This sequence allows the IDS prerequisite structure to be followed. Appropriate Engineering courses would be delayed to make space for these courses.

A preliminary planning exercise indicates that such a schedule is feasible, albeit complex, provided certain constraints on the scheduling of the IDS courses can be met, both for lecture times and for the stability of those times from year to year. In some years, the maximum credits taken might exceed those normally allowed, although the actual contact hours in those terms remains well within permissible limits. Refinements to the scheduling process over time will minimise these occurrences. A model in which special sections or summer offerings of IDS courses are taken by engineers is not preferred because the beneficial interactions between engineering and IDS students might be diluted. However, this remains a possible option, if necessary, for scheduling.

Example Calendar Copy

Note: To be updated with current version of engineering and IDS calendars upon approval.

Engineering - Science and Engineering

The School of Engineering within the Faculty of Science and Engineering offers an Honours Bachelor of Applied Science (BASc [Honours]) degree in engineering. After completion of a common first-year program, students will choose one of three available programs: computer engineering, geomatics engineering or space engineering.

i) All BASc (Honours) degree candidates must complete the Engineering Program core (63 credits): SC/CHEM 1000 3.00; SC/CSE 1020 3.00; SC/CSE 1030 3.00; SC/EATS 1010 3.00; SC/ENG 1000 6.00; SC/ENG 2001 3.00; SC/ENG 2002 3.0; SC/ENG 3000 3.00; SC/ENG 4000 6.00; ES/ENVS 2150 3.00; SC/MATH 1013 3.00; SC/MATH 1014 3.00; SC/MATH 1019 3.00; SC/MATH 1025 3.00; SC/MATH 2015 3.00; SC/PHYS 1010 6.00; SC/PHYS 2020 3.00; SC/PHYS 3050 3.00.

ii) All BAsc (Honours) degree candidates must complete twelve non-science general education credits (see General Education Requirements in the Faculty of Science and Engineering Regulations Governing Undergraduate Degree Requirements section of this calendar).

iii) All BAsc (Honours) degree candidates, in accordance with their declared stream, must satisfy the academic standing and course requirements below.

To graduate in the BAsc (Honours) requires successful completion of all Faculty requirements and program and stream required courses and a minimum cumulative credit-weighted grade point average of 5.0 (C+) over all courses completed.

Engineering and International Development Studies (E&IDS) dual degree

Students in the Engineering and International Development Studies program choose one of the engineering program streams plus the IDS requirements. Graduates are awarded both BAsc and BA degrees.

i) All E&IDS dual degree candidates must complete the Engineering Program core (63 credits):

a) SC/CHEM 1000 3.00; SC/CSE 1020 3.00; SC/CSE 1030 3.00; SC/EATS 1010 3.00; SC/ENG 1000 6.00; SC/ENG 2000 6.00; SC/ENG 3000 3.00; SC/ENG 4000 6.00; ES/ENVS 2150 3.00; SC/MATH 1013 3.00; SC/MATH 1014 3.00; SC/MATH 1019 3.00; SC/MATH 1025 3.00; SC/MATH 2015 3.00; SC/PHYS 1010 6.00; SC/PHYS 2020 3.00; SC/PHYS 3050 3.00.

b) Declared stream (see below)

ii) All E&IDS dual degree candidates must complete the International Development Studies (IDS) requirements as follows (33 credits):

a) International Development Studies BA core: AP/SOSC 1430 9.00; AP/SOSC 2800 6.00; AP/SOSC 3800 6.00.

b) 12 credits, including: at least six credits in each of two areas of concentration (see below); at least six credits at the 3000 or 4000 level and at least three credits must be in Humanities.

Note: For purposes of meeting IDS program requirements, all nine credit general education courses will count as six credits towards the major.

iii) To graduate in the BAsc (Honours) or E&IDS programs requires successful completion of all Faculty requirements and program and stream required courses and a minimum cumulative credit-weighted grade point average of 5.0 (C+) over all courses completed.

Computer Engineering Stream

a) Engineering Program core (63 credits) and;

b) Stream (70 credits) as follows:

- SC/CSE 2001 3.00; SC/CSE 2011 3.00; SC/CSE 2021 4.00; SC/CSE 2031 3.00;
- SC/MATH 1090 3.00; SC/MATH 2030 3.00;
- at least six additional credits from SC/BIOL 1010 6.00, SC/CHEM 1001 3.00, SC/CHEM 2011 3.00, SC/EATS 1011 3.00, SC/PHYS 1070 3.00, SC/PHYS 2010 3.00, SC/PHYS 2040 3.00, SC/PHYS 2060 3.00;
- SC/CSE 3101 3.00; SC/CSE 3201 4.00; SC/CSE 3213 3.00; SC/CSE 3215 4.00; SC/CSE 3221 3.00; SC/CSE 3311 3.00; SC/CSE 3451 4.00;
- three additional credits from computer science courses at the 3000 or 4000 level;
- SC/PHYS 3150 3.00;
- SC/CSE 4201 3.00; SC/CSE 4214 3.00; SC/CSE 4312 3.00;

- 12 credits from: SC/CSE 4210 3.00; SC/CSE 4211 3.00; SC/CSE 4213 3.00; SC/CSE 4215 3.00; SC/CSE 4313 3.00; SC/CSE 4352 3.00; SC/CSE 4421 3.00; SC/CSE 4422 3.00; SC/CSE 4431 3.00; SC/CSE 4441 3.00; SC/CSE 4452 3.00; SC/CSE 4471 3.00; SC/ENG 3320 3.00.

A non-credit, four to 16 month internship program (registered as SC/ENG 3900 0.00) is highly recommended for all engineering students, but is not a degree requirement.

Space Engineering Stream

a) Engineering Program core (63 credits) and;

b) Stream (72 credits) as follows:

- SC/CSE 2011 3.00; SC/CSE 2031 3.00; SC/CSE 2501 1.00;
- SC/MATH 2270 3.00;
- SC/EATS 2030 3.00; SC/EATS 2470 3.00; SC/ENG 2110 2.00; SC/ENG 2120 4.00;
- SC/PHYS 2030 3.00;
- SC/PHYS 3150 3.00; SC/PHYS 3250 3.00; SC/PHYS 3280 3.00; SC/ENG 3310 3.00; SC/ENG 3320 3.00; SC/ENG 3330 3.00;
- SC/EATS 3020 3.00; SC/ENG 3110 4.00;
- SC/CSE 4421 3.00; SC/ENG 4350 2.00; SC/ENG 4360 3.00; SC/PHYS 4110 3.00; SC/PHYS 4250 3.00;
- three of SC/EATS 4220 3.00, SC/EATS 4230 3.00, SC/ENG 4110 3.00, SC/ENG 4330 3.00, SC/PHYS 3070 3.00.

A non-credit, four to 16 month internship program (registered as SC/ENG 3900 0.00) is highly recommended for all engineering students, but is not a degree requirement.

Geomatics Engineering Stream

a) Engineering Program core (63 credits) and;

b) Stream (75 credits) as follows:

- SC/CSE 2011 3.00; SC/CSE 2031 3.00; SC/CSE 2501 1.00;
- SC/EATS 2030 3.00; SC/EATS 2470 3.00; SC/ENG 2110 2.00; SC/ENG 2120 4.00; SC/ENG 2130 3.00; SC/GEOG 2420 3.00;
- SC/MATH 2270 3.00;
- SC/EATS 3020 3.00; SC/EATS 3300 3.00; SC/ENG 3110 4.00; SC/ENG 3120 4.00; SC/ENG 3130 4.00; SC/ENG 3140 4.00; SC/ENG 3150 4.00; SC/ENG 3160 4.00;
- SC/EATS 4020 3.00; SC/EATS 4220 3.00; SC/EATS 4400 3.00; SC/ENG 4110 3.00; SC/ENG 4120 3.00; SC/ENG 4130 3.00; SC/ENG 4140 3.00; SC/ENG 4150 3.00 or SC/ENG 4160 3.00.

A non-credit, four to 16 month internship program (registered as SC/ENG 3900 0.00) is highly recommended for all engineering students, but is not a degree requirement.

IDS Areas of Concentration

Not all of the courses listed below will necessarily be offered in any given year.

With the approval of the program coordinator, and subject to course exclusion and residence requirements, students may complete other courses for program credit in international development studies.

b) 12 credits chosen from the IDS areas of concentration, as specified above.

Area 1: Culture

AP/ANTH 2120 6.00
AP/ANTH 3020 6.00
AP/ANTH 3030 3.00

AP/ANTH 3370 6.00
AP/ANTH 3420 3.00/AP/ANTH 3420 6.00
AP/ANTH 4030 6.00
AP/ANTH 4250 6.00
AP/ANTH 4260 6.00
AP/EN 3440 6.00
AP/EN 4231 3.00
AP/HUMA 2435 9.00
AP/HUMA 3310 3.00/AP/HUMA 3310 6.00
AP/HUMA 3425 6.00
AP/HUMA 3664 3.00
AP/HUMA 3816 3.00
AP/HUMA 4315 6.00
AP/HUMA 4415 6.00
AP/SOSC 2430 3.00/AP/SOSC 2430 6.00
AP/SOSC 3480 6.00
AP/SOSC 4310 6.00
AP/SOSC 4510 6.00
AP/HUMA 3660 3.00/AP/HUMA 3660 6.00
(cross-listed to: AP/EN 3950 3.00/AP/EN
3950 6.00)
FA/FILM 3610A 3.00

Area 2: Diasporas and Migration

AP/GEOG 4170 3.00
AP/POLS 3065 3.00
AP/SOCI 3430 6.00
AP/SOCI 3450 6.00
AP/SOCI 4350 3.00
AP/SOCI 4360 6.00
AP/SOCI 4390 3.00
AP/SOCI 4430 3.00
AP/SOSC 3270 6.00
AP/HIST 3240 6.00 (cross-listed to:
AP/SOCI 3240 6.00)
AP/SOCI 3610 6.00 (cross-listed to:
AP/HIST 3940 6.00)
AP/SOCI 3620 6.00 (cross-listed to:
AP/POLS 3620 6.00)
AP/SOSC 3350 6.00 (cross-listed to:
AP/SOCI 3580 6.00)
AP/SOSC 3370 6.00 (cross-listed to:
AP/SOCI 3370 6.00, AP/AP/GL/WMST 3801
6.00)

Area 3: Environment

AP/ANTH 3190 3.00/AP/ANTH 3190 6.00
AP/ANTH 4240 3.00
AP/GEOG 4370 3.00
AP/HIST 4240 6.00
AP/HIST 4500 6.00
AP/SOCI 3710 6.00
AP/SOSC 3730 6.00

AP/GEOG 3400 6.00 (cross-listed to:
AP/SOCI 3400 6.00)
ES/ENVS 2300 6.00
ES/ENVS 3310 3.00
ES/ENVS 3340 3.00
ES/ENVS 4210 3.00
ES/ENVS 4220 3.00
ES/ENVS 4312 3.00 (cross-listed to:
AP/POLS 4212 3.00)
SC/BIOL 4255 3.00 (cross-listed to:
ES/ENVS 4111 3.00)

Area 4: Gender

AP/ANTH 3120 6.00
AP/ANTH 3230 6.00
AP/GEOG 4090 3.00
AP/HIST 4765 6.00
AP/HUMA 3940 6.00
AP/HUMA 4421 6.00
AP/SOCI 3690 6.00
AP/SOCI 4450 6.00
AP/SOSC 2791 6.00
AP/SOSC 3411 6.00
AP/SOSC 3543 6.00
AP/SOSC 4170 6.00
AP/AP/GL/WMST 3502 6.00 (cross-listed to:
GL/SOSC 3602 6.00)
AP/AP/GL/WMST 3503 6.00 (cross-listed to:
GL/ILST 3665 6.00, GL/SOCI 3665 6.00,
GL/SOSC 3665 6.00)
AP/AP/GL/WMST 4506 3.00 (cross-listed to:
GL/HIST 4606 3.00)
AP/AP/GL/WMST 4511 6.00
AP/AP/GL/WMST 4512 6.00
ES/ENVS 4320 3.00

Area 5: Political Economy

AP/ANTH 2100 6.00
AP/ANTH 3220 6.00
AP/ECON 3150 3.00
AP/ECON 3310 3.00
AP/ECON 3320 3.00
AP/ECON 4129 3.00
AP/ECON 4190 3.00
AP/ECON 4619 3.00
AP/GEOG 3130 3.00
AP/GEOG 4395 3.00
AP/POLS 3270 3.00
AP/POLS 3275 3.00
AP/POLS 3411 3.00
AP/POLS 4285 3.00
AP/POLS 4295 3.00
AP/SOSC 1520 9.00
AP/SOSC 3101 3.00

AP/SOSC 3102 3.00
 AP/SOSC 3240 3.00
 AP/SOSC 3241 3.00
 AP/SOSC 3410 6.00 (cross-listed to:
 AP/POLS 3553 6.00)
 AP/SOSC 3541 3.00
 AP/SOSC 3801 6.00
 AP/ECON 3550 3.00
 AP/ECON 3560 3.00
 AP/ECON 3570 3.00
 AP/ECON 3580 3.00
 AP/POLS 3700 6.00
 AP/SOSC 3510 6.00
 GL/POLS 4680 6.00 (cross-listed to:
 GL/ILST 4680 6.00)

Area 6: Politics, Governance and Policy

AP/ANTH 3400 6.00
 AP/ANTH 4340 6.00
 AP/HIST 3710 6.00
 AP/POLS 2930 6.00
 AP/POLS 3200 3.00

AP/POLS 3210 3.00
 AP/POLS 3510 3.00
 AP/POLS 3515 3.00
 AP/POLS 3550 3.00
 AP/POLS 3555 3.00
 AP/POLS 3560 6.00
 AP/POLS 3570 3.00
 AP/POLS 4255 6.00
 AP/POLS 4265 3.00
 AP/POLS 4540 6.00
 AP/POLS 4555 3.00
 AP/POLS 4575 3.00
 AP/POLS 4590 3.00
 AP/POLS 4595 3.00
 AP/SOCI 3330 6.00
 AP/SOSC 3970 6.00
 AP/SOSC 4452 3.00
 AP/SOSC 4601 3.00
 AP/SOSC 4803 6.00
 AP/POLS 4060 6.00 (cross-listed to:
 AP/SOCI 4060 6.00)
 GL/POLS 3220 6.00

Human and Physical Resource Requirements

The proposed dual degree structure combines two existing academic programs; the added value derives from the collaborative scheduling and advising that permits students to take an Engineering program concurrently with IDS. The program is intended to attract a small but committed group of students who will exemplify York University's values of social responsibility, internationalisation, and academic excellence.

With the modest projected enrolments, no additional academic resources will be needed. Engineering has the capacity to accommodate these additional students. The primary impact in IDS will be the additional students in the relatively small upper-year classes; starting in FW 2014 there will be an expected 2 students, increasing to ~10 in steady state in 2019. The increased enrolment in these courses will be beneficial from both academic and resource perspectives.

Advising and scheduling will be performed by existing academic advising staff in both Engineering and IDS, and administrative staff primarily in Engineering.

Likewise we expect no significant new infrastructure, library holdings, computer equipment, or other requirements.

Funding and Resource Availability

As described above, new funding and resource requirements will be negligible.



Consent Agenda

March 2010

1. Changes to Existing Degrees/Certificates

- Professional Certificate in Accounting

2. New Course Proposals

- AP/ADMS 2010 3.00 Professional Communication in the Canadian Context
- AP/ADMS 3525 3.00 Health Services Accounting
- AP/ADMS 3526 3.00 Health Services Finance
- AP/ADMS 4525 3.00 Advanced Health Services Financial Management
- AP/CDNS 4200 6.00 (cross-listed to: AP/REI 4200 6.00) Metis Families in Canada
- AP/CLTR 3595 6.00 Radicalism and Cultural Movements
- AP/CLTR 4851 3.00 (cross-listed to: AP/HUMA 4907 3.00) Literary, Musical, and Visual Cultures: Modernism Across the Arts
- AP/GEOG 4215 3.00 (cross-listed to: SC/GEOG 4215 3.00, integrated with: GS/GEOG 5607 3.00) Ecological Climatology
- AP/HUMA 3842 3.00 "Godly without a God, Worldly Without a World": Modern Yiddish Literature in Translation (1864-1918)
- AP/HUMA 4823 3.00 Contemporary Israeli Society
- AP/ITEC 2615 3.00 Object-Oriented Programming for Internationally Educated Professionals
- AP/SXST 4601 6.00 Research Methods in Sexuality Studies

3. Changes to Existing Courses

- AP/ADMS 3360 3.00 Integrated Logistics Management I
- AP/ADMS 4300 3.00 Decision Making
- AP/ADMS 4320 3.00 Strategic and Implementation Planning
- AP/ADMS 4360 3.00 Integrated Logistics Management II
- AP/ADMS 4500 6.00 Seminar in Advanced Topics in Finance
- AP/ADMS 4540 3.00 Financial Management
- AP/ADMS 4570 3.00 Management Planning and Control Systems
- AP/ADMS 4910 3.00 Management Policy Part II
- AP/ADMS 4930 3.00 Organizational Simulation Studies
- AP/EN 3440 6.00 The Global Contemporary
- AP/PHIL 3750 3.00 (cross-listed to: AP/COGS 3750 3.00) Foundations of Artificial Intelligence

A consent agenda item does not involve new programs, significant new principles, or new policies. These proposals are clearly identified on the notice of the meeting as consent agenda items. Full proposal text is not reproduced in the hardcopy agenda package. Proposal text is available at the following URL:
http://www.yorku.ca/laps/council/faculty/curr_consent.html.

A consent agenda item is deemed to be approved unless, prior to the commencement of a meeting, one or more members of Council advises the chair of a request to debate it.