

MEMORANDUM

TO: Ms Karen Roche
University Secretary

FROM: Dr. Wayne Melville
Chair, Senate Undergraduate Studies Committee

SUBJECT: Report of Senate Undergraduate Studies Committee, Part I

DATE: 17 January 2011

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A. CALENDAR CHANGES REFERRED FROM SENATE MEETING #7-2010 OF NOVEMBER 5, 2010, ITEM 5.1

1. FACULTY OF SCIENCE AND ENVIRONMENTAL STUDIES

(e) Physics course title and description updates

The Committee recommends approval of the proposal, with revisions. The Department of Physics has requested that items 1 and 2 be withdrawn, to permit time for discussion with the Faculty of Engineering, and that the words "thermal expansion" not be added to the end of the course description of Physics 1113 in item 4.

B. CALENDAR CHANGES REFERRED FROM SENATE MEETING #8-2010 OF DECEMBER 3, 2010, ITEM 4.1

1. FACULTY OF ENGINEERING

(a) Delete ENGI-1224 2939. Change ENGI-2151, COMP-0411, Add ENGI-1XXX.

The Committee recommends that Senate approve the proposed calendar changes from Engineering, with clarifications and additions. The changes include the addition of the new courses, Engineering 1137 – Pulp and Paper Manufacture and Engineering 1633 – Introduction to Engineering Drawing and CAD. The associated program changes in the Bachelor of Engineering (Chemical Engineering) program are: to remove Engineering 1234 from the Winter Term of First Year and replace it with the new course, Engineering 1137; the deletion of Engineering 2039 from the Fall Term of Second Year and replacing it by moving Engineering 2151 from the Fall Term of First Year to the Fall Term of Second Year; as well as moving the new course, Engineering 1633 into the Fall Term of First Year to replace Engineering 2151. Students in Second Year for 2011-2012 will finish the requirements of their program of entry, including Engineering 2039. The note below the Winter Term of First Year will be adjusted from Computer Science 0411 to Computer Science 1411, to permit students to still take COMP 0411.

2. FACULTY OF EDUCATION

(a) Course titles changed to reflect Ministry & OCT Documents

The Committee recommends approval of the proposed changes from the Department of Undergraduate Studies in Education, with clarifications and minor editorial revisions (removing "this course" and adding "Ontario" to Education 4018, 4218 and 4245).

The sentence in item 6 would be added to the paragraph in regulation 3 Professional Year Requirements (c). It was clarified that in item 5, the update to the list of Intermediate/Senior Specialization teachables (in the introductory page for the Department of Undergraduate Studies in Education, the Intermediate-Senior Specialization page of the concurrent bachelor of Education degree programs, and the Admission to Undergraduate Degree Programs page) should actually be the deletion of the sentence restricting students from combining Chemistry and Physics teachables, since Physics is already calendared as a Science teachable.

(b) Professional Year requirements, PBC, J/I and I/S Specialization

The Committee recommends that Senate approve the calendar change proposal from the Department of Undergraduate Studies in Education, with revisions. In item 1 regarding changes to the academic regulation, Professional Year Requirements (b), a clarifying phrase "in the Professional Year" should be added after 60%. In item 2, the title of the regulation should remain as "Police Background Check", with an explanatory sentence added at the beginning of the Note, that will read "For their fall and winter term practicum placements, students are placed with "partner boards" (educational authorities) in which the school principal or board central office is responsible to verify the police background check of incoming teacher candidates." In item 3, the course at the "senior level" should be specified as "a half-course at the third or fourth-year level" and the pronoun "it" should be replaced with the noun "teachable" in the Intermediate/Senior Specialization paragraph.

3. FACULTY OF HEALTH AND BEHAVIOURAL SCIENCES

(a) KINE-1710 – Course title/description update

The Committee recommends approval of this proposal.

4. FACULTY OF SCIENCE AND ENVIRONMENTAL STUDIES

(a) Splitting MATH-1281

The Committee recommends that Senate approve this calendar change, with revisions. The new courses, Mathematics 1271 – Discrete Mathematics and Mathematics 1272 – Logic, Set Theory, and Proofs, should have the restrictive statement "Students who have previously taken Mathematics 1281, may not take Mathematics 1271/1272 for credit". The prerequisite for Mathematics 3373 should also be changed from Mathematics 1281 to 1271.

(b) Replacing MATH-4101, 4221

The Committee recommends that Senate approve this calendar change, with revisions. The fourth-year courses will be numbered as: Mathematics 4111 – Measure Theory, Mathematics 4112 – Introduction to Functional Analysis, Mathematics 4218 – Point-Set Topology, and Mathematics 4219 – Introduction to Fourier Analysis. The first sentence of Mathematics 4112 should start "The course material covers..." and Mathematics 4218 should have a prerequisite, not co-requisite, "Math 3233 or permission of the Chair of the Department".

(c) Updating MATH-2231, 2233

The Committee recommends approval of this proposal, with revisions. The second-year Mathematics courses should be renumbered (not reversed) as "Mathematics 2232 – Introduction to Abstract Algebra and Mathematics 2234 – Topics in Abstract Algebra, with a restrictive statement "Students who have taken both Mathematics 2231 and 2233 previously, may not take Mathematics 2232/2234 for credit". Associated program changes, due to the numbering changes in Mathematics 2231 and 2233, need to be made in the HBA (Mathematics) Mathematics Option, Second Year (a); the 4-year BA (Mathematics) Non-Direct Entry program; HBSc (Mathematics), Second Year (a); and 4-year BSc (Mathematics) Non-Direct Entry program.

(d) Update list of electives for Computer Science

The Committee recommends approval of this proposal, with a clarification. Students wishing to take Engineering 4559 would require permission of the instructor.

(e) Game Programming Specialization [Computer Science]

The Committee recommends that Senate approve the calendar change proposals for a new Game Programming Specialization, with revisions and clarifications. The change in item 6 refers to the HBSc (Computer Science) Co-op Business Option and item 7 refers to the HBSc (Computer Science) Co-op Science Option. The first sentence of the Note below Computer Science 4432 does not need to be calendared. The course description of Computer Science 4478 would be revised to a shorter version:

Computer Science 4478 – Games Design Patterns

Credit Weight: 0.5

Prerequisite(s): Computer Science 2477

Description:

A model is presented to support the design and analysis of games through the use of games design patterns. The model consists of a structural framework to describe the components of games, and patterns of interaction that describe how components are used by players (or a computer) to affect various aspects of the game play. Object-oriented game design patterns are used extensively requiring proper abstractions and decoupling. The results are gaming systems that can be easily modified, upgraded or adapted. The student will develop several games (e.g. single, multiplayer and mobile games) through the course assignments and projects.

Offering: 3-0; or 3-0

(f) GEOG-4211

The Committee recommends approval of the change in the course description of Geography 4211.

(g) GEOG-4351

The Committee recommends approval of the change in the prerequisite of Geography 4351.

(h) GEOG-3311

The Committee recommends approval of the change in the prerequisite of Geography 3311/Environmental Studies 3311.

(i) GEOG-3251

The Committee recommends that Senate approve the change in the title, course description and hours of instruction for Geography 3251.

(j) GEOG-4771

The Committee recommends that Senate approve the change in the prerequisite and course description for Geography 4771.

5. INTERDISCIPLINARY STUDIES

(a) Criminology Minor

The Committee recommends approval of the proposal, with revisions. Requirement (b) of the Criminology Minor program description does not require the phrase "one FCE of". The Criminology course numbers will be:

- Criminology 1010 – Introduction to Criminology
- Criminology 1030 – Introduction to Criminalistics
- Criminology 3510 – Issues in Indigenous Justice
- Criminology 3511 – Violence
- Criminology 3010 – Special Topics I
- Criminology 3030 – Special Topics II

(b) Media Studies Minor

The Committee has been informed that the Department of Interdisciplinary Studies requested that the proposal for the Media Studies Minor be deferred for consideration to next month to permit the Department time for discussion of suggested first-year half-courses to replace the first-year full-course in the original proposal. The Senate Budget Committee has been informed accordingly.

(c) Interdisciplinary Codes

The Committee recommends that Senate approve the proposed changes to course subject names and associated program changes in the Department of Interdisciplinary Studies.

C. OUTSTANDING ITEMS

As mentioned above, the following calendar change referral remains outstanding:

**CALENDAR CHANGES REFERRED FROM SENATE MEETING #8-2010 OF
DECEMBER 3, 2010, ITEM 4.1**

Interdisciplinary Studies – Media Studies Minor

WM/ma



Dr. Wayne Melville, Chair