

**FACULTY OF SCIENCE
Meeting of Faculty
Tuesday, December 3, 2013
Leacock Council Room – L232**

ATTENDANCE: As recorded in the Faculty Appendix Book.

DOCUMENTS: S-13-12, S-13-13

Dean Grant announced that Anna Cerrone, Faculty of Science, and Jennifer Viens, Faculty of Arts, were present to sell tickets for Centraide to win a holiday basket.

Dean Grant called the meeting to order at 3:00 p.m.

(1) ADOPTION OF AGENDA

Prof. Mucci **moved**, seconded by Prof. Gyakum, that the Agenda be adopted.

The motion carried.

(2) MINUTES OF OCTOBER 15, 2013 S-13-12

Ms. Curry **moved**, seconded by Prof. Mucci, that the Minutes be approved.

The motion carried.

(3) BUSINESS ARISING FROM THE MINUTES

There was no business arising from the Minutes.

(4) REPORT OF COMMITTEE

- **Academic Committee** S-13-13

The Academic Committee approved the following on Tuesday, October 29, 2013 and Tuesday, November 26, 2013:

SECTION A: NEW COURSES

(1) MICROBIOLOGY & IMMUNOLOGY

MIMM 384	Laboratory Course in Microbiol Molecular Microbiology Lab	
	3 credits	AC-13-15
MIMM 385	Laboratory Course in Immunolog	AC-13-16
	3 credits	

404.1 Associate Dean Hendren said that the above new courses, MIMM 384 and MIMM 385, were created as a result of splitting MIMM 386D1/D2 into two courses. She mentioned that the title of MIMM 384 had been changed to avoid duplication.

Associate Dean Hendren **moved**, seconded by Prof. Grütter, that the course be adopted.

The motion carried.

(2) CHEMISTRY

3 credits

404.2 Associate Dean Hendren said that in order to maintain accreditation by the Chemical Society of Canada, a new course in biological chemistry, CHEM 332, was required for most of the Chemistry programs (relevant programs to be considered below). Students taking CHEM 332 would not be allowed to take BIOL 200 or BIOL 201.

Associate Dean Hendren **moved**, seconded by Prof. Damha, that the course be adopted.

The motion carried.

(3)	Physiology PHGY 488	Stem Cell Biology 3 credits	AC-13-25
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404.3 Associate Dean Hendren said PHGY 488, an additional course offered to U3 students in Physiology programs, will be taught by a new professor. PHGY 488 will provide an opportunity for more choice in the programs. Students cannot obtain credit for both PHGY 488 and ANAT 416.

Associate Dean Hendren **moved**, seconded by Prof. Grütter, that the course be adopted.

The motion carried.

(4)	BIOLOGY BIOL 509	Methods in Molecular Ecology 3 credits	AC-13-30
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404.4 Associate Dean Hendren said that BIOL 509 will be taught by a new professor, and it will allow students to become familiar with advanced methods used in molecular ecology.

Associate Dean Hendren **moved**, seconded by Prof. Brown, that the course be adopted.

The motion carried.

(5)	GEOGRAPHY GEOG 325	New Master-Planned Cities 3 credits	AC-13-32
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404.5 Associate Dean Hendren said that GEOG 325 is a new course to be taught by a new faculty member.

Associate Dean Hendren **moved**, seconded by Prof. Moore, that the course be adopted.

The motion carried.

GEOG 489	Independent Research in Geog 3 credits	AC-13-33
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404.6 GEOG 489 is a new course created in response to the need to clearly identify research courses and reading courses. GEOG 489 will qualify as a research course for the Dean's Multidisciplinary Undergraduate Research List (DMURL). GEOG 490, currently both research and reading, will be modified later on in the meeting.

Associate Dean Hendren **moved**, seconded by Prof. Moore, that the course be adopted.

The motion carried.

GEOG 512 Adv quant meth in soc fld rsch **AC-13-35**
3 credits

404.7 Associate Dean Hendren said that GEOG 512 is one of the many quantitative-methods courses proposed by different units.

Associate Dean Hendren **moved**, seconded by Prof. Moore, that the course be adopted.

The motion carried.

GEOG 520 Agric., Envir.,& Food Security **AC-13-36**
3 credits

404.8 GEOG 520 is a new course on food security, and the first such course to be given on the downtown campus.

Associate Dean Hendren **moved**, seconded by Prof. Moore, that the course be adopted.

The motion carried.

GEOG 525 Asian Cities in the 21st C **AC-13-37**
3 credits

404.9 GEOG 525 will be taught by a new faculty member, also teaching the newly approved course (above) GEOG 325.

Associate Dean Hendren **moved**, seconded by Prof. Moore, that the course be adopted.

The motion carried.

(6) PHARMACOLOGY & THERAPEUTICS

PHAR 598 Honours Pharma Research Proj. **AC-13-38**
6 credits

404.10 Associate Dean Hendren said that PHAR 598 is being created as an Honours-specific research project course.

Associate Dean Hendren **moved**, seconded by Prof. Moore, that the course be adopted.

The motion carried.

(7) EARTH & PLANETARY SCIENCES

EPSC 460 Independent Reading Project **AC-13-40**
3 credits

404.11 EPSC 460 is being created to replace the reading component of the recently revised course, EPSC 482 (approved at the Fa



404.12 EPSC 513, a new course dealing with climate and the carbon cycle, will be taught from a geological perspective.

Associate Dean Hendren **moved**, seconded by Prof. Mucci, that the course be adopted.

The motion carried.

(8) COMPUTER SCIENCE
COMP 307 Principles of Web Development **AC-13-44**
2 credits

404.13 Associate Dean Hendren said that this is the first course dealing with this topic.

Associate Dean Hendren **moved**, seconded by Prof. Chang, that the course be adopted.

The motion carried.

SECTION B: COURSE CHANGES

(1) MICROBIOLOGY & IMMUNOLOGY
MIMM 386 D1/D2 Lab in Microbiology&Immunology **AC-13-17**
Course Retirement
6 credits

Associate Dean Hendren **moved**, seconded by Mr. Ng, that the course be retired.

The motion carried.

(2) GEOGRAPHY
GEOG 315 Urban Transportation Geography **AC-13-31**
Course Description
3 credits

Associate Dean Hendren **moved**, seconded by Prof. Moore, that the changes be approved.

The motion carried.

GEOG 490 Independent Readings in Geog **AC-13-34**
Title, Description, Prerequisites, Calendar Information
3 credits

Associate Dean Hendren **moved**, seconded by Prof. Moore, that the changes be approved.

The motion carried.

(3) EARTH & PLANETARY SCIENCES
EPSC 470 Undergraduate Thesis Research **AC-13-41**
Description, Calendar Information
6 credits

Associate Dean Hendren **moved**, seconded by Prof. Mucci, that the changes be approved.

404.15 The above Chemistry Honours Programs were being revised due to the creation of the new course, CHEM 332, in order to maintain accreditation. The required course credits have increased by three, but the complementary course credits have been reduced by three, so the total credit weight of the programs will not change.

Associate Dean Hendren **moved**, seconded by Prof. Damha, that the changes be approved.

The motion carried.

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| - Major in Chemistry | AC-13-22 |
| - Major in Chemistry – Atmosphere and Environment Option | AC-13-23 |
| - Major in Chemistry - Materials Option | AC-13-24 |

404.16 Associate Dean Hendren said the Major Program in Chemistry is currently a total of 59 credits: 53 required credits and 6 complementary credits. By introducing a new required course, CHEM 332 (approved above), there are now only 3 credits of complementary courses, and there is no requirement for taking these courses at the 400-level and above. After some discussion at Academic Committee meetings, it was agreed that the

Associate Dean Hendren **moved**, seconded by Prof. Grütter, that the changes be approved.

The motion carried.

SECTION E: OTHER (For Information)

- Feedback for Teaching and Learning Services



the American Association of Universities (AAU), the Association of Universities and Colleges of Canada (AUCC) and the U15. The first saw serious funding challenges. The AUCC meeting focused on mechanisms to attract skilled immigrants to Canada, including international students. The U15 meeting concentrated on ways to increase the global competitiveness of Canadian universities and discussion on a proposal for consideration by the federal government in budget 2014.



Given the level of discussion, the Chair suggested that Senate could hold an open discussion on this topic if it so wished.

Colleagues are recommended to the minutes of Senate for a full discussion. **The answers were extremely long and detailed and did not really solve the question other than to acknowledge that Senator Moore had indeed carried out due**



