

MINUTES

169th MEETING OF THE FACULTY OF SCIENCE EXECUTIVE COUNCIL

held on Wednesday, August 27, 2014, at 10:00 a.m. in 250 Allen

PRESENT: P. Graham, Chair
T. Kucera
J. Sorensen
J. Marotta
J. Pai
S. Muthukumarana
M. Shantz (recording secretary)

M. Piercey-Normore
D. Gillis
P. Blunden
P. Pelka
M. Domaratzki
J. McConnell

REGRETS: P. Loewen, Z. Narrandes

GUEST: C. Adams

1. Introduction of New Members

Peter Graham introduced the new Faculty Executive members:

Peter Blunden (Physics and Astronomy) - re-elected
Tommy Kucera (Mathematics)
Saman Muthukumarana (Statistics)
Zandhir Narrandes (SSA President)

2. Approval of the Agenda

MOTION: to approve the agenda. Moved by D. Gillis, seconded by S. Muthukumarana.

CARRIED

3. Approval of Minutes

MOTION: To approve the minutes of the 168th meeting of the Faculty of Science Executive Council held on April 9, 2014. Moved by J. Sorensen, seconded by S. Muthukumarana.

CARRIED

4. Change to Terms of Reference

MOTION: To approve the changes to the Faculty Executive terms of reference, as circulated. Moved by J. Sorensen, seconded by M. Domaratzki.

CARRIED

5. Graduate Course Introductions

Two Physics and Astronomy graduate course introductions (General Relativity I and General Relativity II) were circulated, for information only. Graduate course changes do not require Faculty Executive approval.

6. Undergraduate Course and Program Changes

Associate Dean Michele Piercey-Normore outlined the undergraduate course and program changes as follows:

• Faculty of Science - Academic Regulations

- Currently direct entry students enter the Faculty of Science as 3-year General degree students. Propose to change the direct entry default program to a 4-year program.
- Addition of new course options to the list of Mathematics courses for the introductory level Science component of the BSc general degree.

MOTION: to recommend to Faculty Council the above Faculty of Science program changes, as circulated. Moved by M. Piercey-Normore, seconded by D. Gillis.

CARRIED

• Actuarial Mathematics

- Modification to the BSc Honours program

• Biological Sciences

- Course Deletions: BIOL 2540, BIOL 3540
- Course Introductions: BIOL 3542, BIOL 4544
- Course Modifications: BIOL 1410, BIOL 1412, BIOL 3340, BIOL 3372, BIOL 4470
- Program Modifications: BSc Honours and BSc Major - modification to the Evolution and Biodiversity theme course list and the Cell, Molecular and Developmental theme course requirements

• Chemistry

- Course Introduction: CHEM 4MAT
- Course Modifications: CHEM 2360, CHEM 4600
- Program Modifications: BSc Honours and BSc Major (including Co-op)

Revision: course modifications for CHEM 2360, first line of rationale – change ~70% to ~30%.

• Computer Science

- Course Deletions: COMP 3720, COMP 4720, COMP 3620
- Course Introductions: COMP 4300, COMP 4620

- Course Modifications: COMP 2130, COMP 3820
- Program Modifications: BSc Honours and BSc Major (including Co-op)

- **Mathematics**

Following the recommendations from the November 2009 external review of the Mathematics undergraduate program, the department developed a two-phase proposal for comprehensive review of the undergraduate curriculum. Phase 1, to be implemented beginning in Fall 2015, looks at the Honours and Major programs and involves the deletion of almost 50 mathematics courses (except MATH 1200, MATH 1300, MATH 1500, MATH 1700 and Engineering mathematics courses), and the introduction of 47 new mathematics courses.

M. Piercey-Normore presented the Phase 1 course and program changes for Mathematics, as circulated.

MOTION: to approve the course changes in Mathematics as presented. Moved by M. Piercey-Normore, seconded by J. Sorensen.

CARRIED

MOTION: to recommend to Faculty Council approval of the Mathematics program changes as presented. Moved by M. Piercey-Normore, seconded by T. Kucera.

CARRIED

- **Microbiology**

- Course Modifications: MBIO 1220, MBIO 2360
- Program Modifications: BSc Honours and BSc Major (including Co-op)

- **Physics and Astronomy**

- Course Introductions: PHYS 4XXX (General Relativity 1), PHYS 4YYY (General Relativity 2)
- Program Modification: BSc Honours degree (Options A, B, C)
- Program Modification: BSc Joint Honours in Chemistry-Physics & Astronomy
- Program Modification: BSc Joint Honours in Computer Science-Physics & Astronomy

Note: Physics and Astronomy asked to provide Faculty Council with stronger rationale in support of their program modifications.

- **Psychology**

- Program Modification: BSc Honours

- **Statistics**

- Course Deletion: STAT 3120
- Course Modifications: STAT 2220, STAT 2400, STAT 3050, STAT 3400, STAT 3800, STAT 4690
- Program Modifications: BSc Honours and BSc Major (including Co-op)
- Program Modification: BSc Joint Honours in Statistics-Actuarial Mathematics

MOTION: to recommend to Faculty Council approval of the Physics and Astronomy program changes as presented, subject to discussion at Faculty Council of the requirement for a minimum grade of C+ in every course contributing to the Honours degrees listed. Moved by P. Graham, seconded by P. Pelka.

CARRIED

MOTION: to recommend to Faculty Council approval of the program changes in Actuarial Science, Biological Sciences, Chemistry, Computer Science, Microbiology, Psychology and Statistics as presented. Moved by T. Kucera, seconded by J. Sorensen.

CARRIED

MOTION: to approve the course changes in Biological Sciences, Chemistry, Computer Science, Microbiology, Physics & Astronomy and Statistics as Presented, including the revisions to CHEM 2360/MBIO 2360. Moved by P. Blunden, seconded by J. Sorensen.

CARRIED

7. Approval of Faculty Council Draft Agenda

Revisions:

- renumber agenda items
- under 'Undergraduate Course and Program Changes' ADD: We will seek approval of program changes to: Programs in Mathematics, Honors programs in Physics and Astronomy, and Programs in other departments

MOTION: to approve the revised draft agenda of the Faculty Council meeting scheduled for September 5, 2014. Moved by J. Sorensen, seconded by D. Gillis.

CARRIED

8. Other Business

MOTION: to approve Sandhini Lockman and Paige Kirby as the two new student members for the Committee on Student Standing. Moved by M. Domaratzki, seconded by S. Muthukumarana.

CARRIED

9. Adjournment

The meeting adjourned at 11:25 am.