

**FACULTY OF SCIENCE
ACADEMIC COMMITTEE**

Minutes of the meeting held on 27 March 2018, at 3:00 p.m. in the Ruttan Room, Room #322, Otto Maass Chemistry Building.

PRESENT: Dean Bruce Lennox (Chair), Co-Associate Dean Axel Hundemer (Vice-Chair), Director Nicole Allard; Professors Huy Bui, Gail Chmura, Maxime Denis, Michael Hendricks, Michael Langer, Greg Marczyński, Timothy Merlis, Anthony Mittermaier, Johanna Neslehova, Gillian O'Driscoll, Jeanne Paquette, Kenneth Ragan, Kathy Roulet; Natalie Waters; Riley Bowker, Ellie Joung, Nathaniel Leitao, Candace Yang; Lina Alvarez, Fergus Grieve, Josie D'Amico.

GUEST: Professor Craig Mandato, Chair, Department of Anatomy & Cell Biology

REGRETS: Associate Dean (Academic) Tamara Western, Professors Barbara Hales, Ana Nyzhnyk; Simona Bene Watts, Lia Huo, Alexandra McCallum, Michael Wolman.

DOCUMENTS: AC-17-77 to AC-17-86

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

(1) ADOPTION OF AGENDA

Prof. Chmura moved, seconded by Prof. Ragan, that the Agenda be adopted.

The motion carried.

(2) MINUTES OF 27 FEBRUARY 2018

AC-17-77

Prof. Paquette moved, seconded by Prof. Hendricks, that the Minutes be approved.

The motion carried.

(3) BUSINESS ARISING FROM THE MINUTES

- 603.1** Dean Lennox said that there had been a rigorous discussion at the Faculty of Science meeting (20 February 2018) about a new writing course, BIOC 219, Writing in the Biomedical Sciences. BIOC 219 was not approved (votes being: 0 in favour; 13 against and 7 abstentions) because there were concerns that a required laboratory writing course was being offered before the laboratory course (BIOC 220), and prior to students doing any experiments. The recommendation expressed by Faculty members was to integrate BIOC 219 into BIOC 220 to allow students to work with data and interpret it within the context of the experiments. Studies have shown that integrating lab report writing into a laboratory course allows students to learn and develop the critical skills required to present, analyze and write up their data results.

(4) ANATOMY & CELL BIOLOGY

New Courses:

ANAT 314

Human Musculoskeletal Anatomy
3 credits

AC-17-78

- 604.1** Prof. Mandato introduced the new course, ANAT 314. He said that the Department hired a consultant to interview undergraduate students to look at ways to update the Anatomy & Cell Biology (A&CB) programs. The consultation revealed that undergraduates wished to have more Anatomy courses in the programs; as a result, ANAT 314 was created. Currently, the only gross anatomy course that is offered to A&CB students is ANAT 214, but this course does not cover the complete human anatomy and its various systems. The other course covering this material is

ANAT 315 but this course is restricted to students in the Physical & Occupational Therapy and Kinesiology Programs, and for students in the Anatomy & Cell Biology Honours Program, provided that there is space available. ANAT 314 will complement ANAT 214, and A&CB students will gain complete knowledge of the human anatomy.

604.2 In reply to Dean Lennox, Prof. Mandato said that students writing with the Office for Students with Disabilities are given extra time to complete exams.

Prof. Mandato **moved**, seconded by Prof. Chmura, that the course be adopted.

The motion carried.

ANAT 315	Clinical Musculoskeletal Anatomy Changes in title, description, restrictions 3 credits	AC-17-79
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ANAT 316	Clinical Human Visceral Anat. Changes in title, description 3 credits	AC-17-80
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604.3 Prof. Mandato explained that ANAT 315 and ANAT 316 were redesigned to better reflect the knowledge requirements and clinical standards for students in the professional programs, i.e., Physical and Occupational Therapy, and Kinesiology Programs, only. The title and description have been changed to “Clinical...” so that the titles of the two courses are aligned and clearly intended for students in these professional programs.

Prof. Mandato **moved**, seconded by Prof. Chmura, that the above changes be approved.

The motion carried.

Program Changes:

- Honours in Anatomy & Cell Biology	AC-17-81
- Major in Anatomy & Cell Biology	AC-17-82
- Liberal; Core Science Component in Anatomy & Cell Biology	AC-17-83

604.4 Prof. Mandato described the minor changes in the above Anatomy & Cell Biology Programs. The changes include: the addition of the new course, ANAT 314, under the list of Complementary courses; the inclusion of COMP 204 as a Complementary course; the renaming of a part of the Complementary Course List to “Advanced Anatomy Courses (AAC); and some other minor changes. The total program weight remains the same.

Prof. Mandato **moved**, seconded by Prof. Ragan, that the above changes be approved.

The motion carried.

(5) MATHEMATICS & STATISTICS

New Course:

MATH 478	Comput. Meth. in Applied Math 3 credits	AC-17-84
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605.1 Prof. Neslehova said that, following a curriculum review, a new course, MATH 478, will fill a gap between MATH 317/387 (Numerical Analysis/Honours Numerical Analysis) and MATH 578 (Numerical Analysis 1). The addition of MATH 478 will improve the Department's course offerings for students in the Honours Program in Applied Mathematics and the Major Program in Mathematics. Moreover, MATH 478 is a suitable course for Engineering students.

Prof. Neslehova **moved**, seconded by Prof. Ragan, that the course be adopted.

The motion carried.

New Course:

MATH 582

Algebraic Topology
4 credits

AC-17-85

605.2 Prof. Neslehova said that the rationale for proposing MATH 582 is to bridge the gap between Geometry and Topology 1 (MATH 576) and other topics courses. MATH 582 will be offered in alternate years, with a comparable course at UQAM.

605.3 It was suggested that COMP 350 should be included as another possible prerequisite course for MATH 582.

Prof. Neslehova **moved**, seconded by Prof. Hendricks, that the course be adopted, with the above modification.

The motion carried.

(6) NAME CHANGE TO THE MASTER'S THESIS DEGREE IN ELECTRICAL ENGINEERING

AC-17-86

606.1 Dean Lennox said that the Faculty of Engineering is informing the Faculty of Science that the Engineering Faculty Council has approved a proposal to change the name of the M.Eng. degree, which will now be called an M.Sc. degree, in order to harmonize the degree name with that used in the U.S. He pointed out that the government financial allocation for an M.Eng. degree is significantly different from that of an M.Sc. degree. Dean Lennox asked the Academic Committee for feedback.

606.2 Members raised the following points and questions:

- could a degree name be easily renamed without prior consultation?
- what reassurance is there to warrant quality control of the M.Sc. degree?
- how long has the Faculty of Engineering been offering M.Sc. degrees in Civil, Materials, Mechanical and Mining Engineering?
- if the reason to change the M.Eng. degree name is to harmonize the degree with the U.S. convention, has this been documented?

606.3 Dean Lennox said the above issues will be raised with Associate Dean (Academic Programs) Laurent Mydlarski, Faculty of Engineering, and will report back to the Academic Committee, via Josie D'Amico.

(7) SUS ACTIVITIES

1. AEC Career-Related Speaker Series:
 - a) A Masters student from INRS and a Forensic Toxicologist from Montreal Forensics Lab talked about their career/academic path and what their research or job entails
 - b) A PhD student from Medical Physics Unit of McGill University talked about what is medical physics, how an undergraduate could progress into the field and the topic of his research
2. Preparation of SUS Graduate School Fair 2018 on Nov 6, 2018 with Career Planning Services

(8) OTHER BUSINESS

There being no further business, Prof. Denis **moved**, seconded by Prof. Marczynski, that the meeting be adjourned at 3:40 p.m.

The motion carried.