

FACULTY OF SCIENCE  
ACADEMIC COMMITTEE

Minutes of the meeting held on 19 October 2021 at 3:00 p.m. via the Zoom Conference Application.

**PRESENT:** Vice-Dean David Stephens, Associate Dean (Academic) Axel Hundemer, Peter Barry (Chief Academic Advisor, SOUSA); Professors Jennifer Bartz, Amy Blum, Huy Bui, Caroline Dufour, Maxime Denis, Benjamin Forest, Barbara Hales, Greg Marczynski, Kim Metera (replacing Daryl Haggard), Johanna Neslehova, Ana Nyzhnyk, Jeanne Paquette, Kathy Roulet, Clark Verbrugge, Natalie Waters; Claire Braaten, Melissa Dunn, Samantha Gorle, Alexandra Mircescu, Emaan Qazi; Faye Hughes, Josie D'Amico.

**REGRETS:** Amy Lin, Yufeng Peng, Abigail Gerhold,

**DOCUMENTS:** AC-21-18 to AC -21-29

Vice-Dean Stephens called the meeting to order at 3:00 p.m.

1. Adoption of Agenda

Prof. Forest moved , seconded by Ms. Mircescu, that the Agenda be adopted.

The motion carried.

2. Minutes of 21 September 2021

AC-21-18

Prof. Forest moved , seconded by Prof. Dufour, that the Minutes be approved.

The motion carried.

3. Business Arising from the Minutes

- Item #3, Page 1, FSCI 500 (new), Science Communication and Outreach, 3 credits (AC-21-1)
- Item #4, Page 2, PSYC 750(new), Graduate Applied Bayesian Statistics, 3 credits (AC-21-8)

Vice-Dean Stephens said that at the Academic Committee meeting held on 21 September 2021, there was an inquiry about the reading list for the new course, FSCI 500. The reading list has been received from the instructor.

Regarding PSYC 750, Vice-Dean Stephens said that the consultation reports had been received from the Department of Mathematics & Statistics, and the Department of Epidemiology, Biostatistics, and Occupational Health.

4. Psychology  
New Course:

PSYC 415	Electroencephalography (EEG) Laboratory in Psychology	AC-21-19
	3 credits	

Prof. Bartz introduced a new course, PSYC 415, Electroencephalography (EEG) Laboratory in Psychology. PSYC 415 provides hands-on training in human electrophysiology and complements existing courses in perception, cognition, and social psychology.

Prof. Bartz moved , seconded by Prof. Forest, that the course be adopted.

The motion carried.

5. Mathematics & Statistics

MATH 319	Partial Differential Equations Changes: title, restrictions 3 credits	AC-21-20
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MATH 475	Honours Partial Differential Equations Changes in restrictions 3 credits	AC-21-21
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Prof. Neslehova described the changes to MATH 319 and MATH 475. She said that MATH 475 is the honours version of MATH 319, and a mutual restriction has been added to both courses since both courses cannot be taken for credits due to overlapping course content. Moreover, the course title for MATH 319 was updated, and an old restriction was removed in MATH 475 since it is no longer necessary.

Prof. Neslehova moved, seconded by Ms. Mircescu, that the changes be approved.

The motion carried.

Course Retirement:

MATH 407	Dynamic Programming 3 credits	AC-21-22
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The above course, MATH 407, was no longer offered due to the instructor's retirement, and the Department has no plans to teach it anytime soon.

Prof. Neslehova moved, seconded by Prof. Denis, that the course retirement be approved.

The motion carried.

MATH 423	Applied Regression Changes in restrictions 3 credits	AC-21-23
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Prof. Neslehova explained that the current management course restriction for MATH 423 was being removed because it created difficulties for Management students registered in the Major Program/Concentration in Mathematics & Statistics for Management students. There was some overlap between these two courses, though the focus was very different, and Management students would benefit from both courses.

Prof. Neslehova moved, seconded by Ms. Waters, that the course be approved.

The motion carried.

New Course:

MATH 559	Bayesian Theory and Methods 4 credits	AC-21-24
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Prof. Neslehova introduced a new course, MATH 559. The Department of Mathematics and Statistics does not offer a solid introduction to Bayesian inference in any introductory statistics course. This course would be excellent for both the Statistics undergraduate programs and the graduate masters or Ph.D. Programs in Statistics.

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

The motion carried.

6. Geography  
GEOG 333                      Introduction to Programming for Spatial Science                      AC-21-25  
   Changes in restrictions  
   3 credits

Changes in restrictions  
3 credits

Associate Dean Hundemer said that a restriction was added for PHAR 565 to prevent students from taking a course with substantial overlap, HGEN 673.

Associate Dean Hundemer moved, seconded by Prof. Denis, that the changes be approved.

The motion carried.

8. Neuroscience  
NSCI 396                      Undergraduate Research Project                      AC-21-29  
Changes in teaching unit [from Physiology to Biology],  
Supplementary Calendar Information  
3 credits

Mr. Barry explained that the Department of Biology is the responsible teaching unit for all NSCI courses, except for NSCI 396. It makes administrative sense for one unit to oversee all NSCI courses.

Mr. Barry moved, seconded by Prof. Forest, that the changes be approved.

The motion carried.

9. Other Business

There being no further business, Prof. Denis moved, seconded by Prof. Forest, that the meeting be adjourned at 3:30 p.m.

The motion carried.