(1) <u>Mathematics & Statistics</u>

MATH 682 Statistical Inference

4 credits

MATH 683 is a new course designed for graduate students in the Quantitative Life Sciences Ph.D. program (QLS) who have not previously taken inferential statistics. Moreover, the creation of MATH 683 was mandated by the *Ministère de l'Éducation et de l'Enseignement supérieur* (MEES). The purpose of the course is to prepare QLS students for the more advanced statistics courses.

Associate Dean Hundemer moved, seconded by Prof. Stephens, that the course be adopted.

The motion carried.

(2) <u>Atmospheric & Oceanic Sciences</u>

ATOC 557 Research Methods: Atmos-Ocean AC-18-52

3 credits

The new course, ATOC 557, is a high-level statistics course specifically for students in the Atmospheric & Oceanic Sciences programs. Students will learn all the important tools they need in order to be successful researchers.

Associate Dean Hundemer moved, seconded by Prof. Gyakum, that the course be adopted.

The motion carried.

(3) <u>Biology</u>

BIOL 565 Cell and Tissue Mechanobiology

54

3 credits

BIOL 565 is a new course introducing students to the emerging field of mechanobiology and mechanotransduction. The course mainly covers how cells interact with other cells or the environment in a mechanical manner.

Associate Dean Hundemer moved, seconded by Prof. Fussmann, that the course be adopted.

The motion carried.

II. COURSE REVISIONS

(1) <u>Mathematics & Statistics</u>

MATH 455 Honours Analysis 4 AC-18-37

Change in prerequisites

3 credits

MATH 457 Honours Algebra 4 AC-18-38

Change in prerequisites

3 credits

MATH 455 and MATH 457 had been renumbered several years ago; however, the prerequisites for these two courses had also been renumbered but the changes to the

AC-18-20 (Rev)

AC-18-

prerequisites had not been formally made. Therefore, the proposed revisions involve correcting the prerequisites for these courses.

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

The motion carried.

(2) Physics

PHYS 449 Majors Research Project AC-18-43

Change in prerequisites, restrictions

3 credits

The proposed changes to PHYS 449 are (i) the removal of two prerequisites because, historically, the purpose was to have the research project be experimental in nature; however, theoretical-type projects have been permitted for many years, and (ii) the prerequisites are not included in the Physics joint major programs.

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

The motion carried.

(3) Earth & Planetary Sciences

EPSC 303[from -203] Structural Geology AC-18-47

Changes in number [from -203]; term; title;

prerequisites; restrictions

3 credits

A new instructor has reworked the above course and it now requires a 200-level, U1 prerequisite to ensure adequate knowledge for the subsequent course. Given that the prerequisite is at the 200-level, it was deemed necessary to renumber EPSC 303 (from -203), and to clearly state that EPSC 303 is a U2 course. Also, a restriction has been added to exclude students who have previously taken EPSC 203 from taking EPSC 303 again for credits.

Associate Dean prereqo6(beyereqo6(b.hs involve

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EPSC 330 Earthquakes & Earth Structure AC-18-49

3 credits

The rationale for retiring EPSC 330 is that the course content is covered in a 500-level course, which serves well for both undergraduate and graduate students.

Associate Dean Hundemer moved, seconded by Prof. McKenzie, that the retirement be approved.

The motion carried.

(4) Atmospheric & Oceanic Sciences

ATOC 548[from -646] Mesoscale Meteorology AC-18-51

Changes in number [from -646]; description; prerequisites;

restrictions 3 credits

The above course has been renumbered due to the level of instruction and because it will be available to both undergraduate and graduate students. The course description, prerequisites and restrictions have been revised accordingly to correspond with a 500level course.

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

The motion carried.

(5) Computer Science

COMP 208 Computer Programming for PSE AC-18-55

Changes: title, description, administering faculty, prerequisites,

(1) Neuroscience

- Major in Neuroscience

AC-18-35

- Honours in Neuroscience

AC-18-36

The proposed program changes will offer more flexibility in the choice of statistics courses and the addition of a Complementary course in linear algebra. Also, 200-, 300-, 400- and 500-level courses have been added to the list of Complementary courses, and some of the courses in Streams B and C have been rearranged.

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

The motion carried.

(2) Physics

- B.Sc.; Liberal - Core Science Component in Physics

AC-18-45

The program changes include moving one Required course to the Complementary courses, bringing it in line with other joint major programs in Physics. The number of Complementary credits is unchanged, and the program weight is reduced by three credits to 45 credits, consistent with other B.Sc. Liberal programs.

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

The motion carried.

- B.Sc.; Major in Physics & Geophysics

AC-18-46

In the above program, additional courses offering more choices have been included, a hidden prerequisite has now been added to the program, as well as two research courses, one in Earth & Planetary Sciences, and the other in Physics.

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

The motion carried.

(3) Earth & Planetary Sciences

- Honours in Planetary Sciences

AC-18-50

The minor revisions to the Honours in Planetary Sciences have been proposed to reflect, in the list of Required courses, (i) the retirement of EPSC 330 (above), which is being replaced with EPSC 240, and (ii) the renumbered course, EPSC 303 (from -203). Moreover, in the Complementary list, EPSC 445 will replace EPSC 435.

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

The motion carried.

(4) <u>Computer Science</u>

- Major in Computer Science & Biology

AC-18-56

- Honours in Computer Science & Biology

AC-18-57

background in all areas of an interdisciplinary program. Since graduate students are not permitted to take undergraduate courses for credits, does the Faculty create graduate courses that cover undergraduate material? Associate Dean Hundemer asked members for comments and suggestions on dealing with this issue for other interdisciplinary courses or programs.

Some of the comments/suggestions were that:

- graduate students could take an undergraduate course but additional work or a special project would be required of t

The meetings opened with a welcome and introduction by the Chair of the Board, Ram Panda, followed by some comments from the Principal on some statistics of the changing workforce, the role of robotics in replacing humans, and the skills future workers will need. Future workers will change jobs many times and this will require significant new training and upgrading. There will also be changes in student demographics.

There were three short presentations on LLL. The focus of the talks varied but the common points were: students need to be more innovative, think critically and learn to deal with complex problems. The implementation of LLL programs need to consider five points: alignment, community ship, innovation, buy in, and measurement. Finally, there

responded that CAMSR was revising its policy on social responsibility of investments. Senator Mikkelson chimed in, first to commend Senator Dunn on emphasising Senate's statement to CAMSR. He then questioned the current direction of CAMSR and the Board of Governors and provided five particular recommendations to go forth. One included removing the chair of CAMSR who he stated was a member of Suncor.

Principal Fortier's Remarks section included announcing the launch of Bensadoun School of Retail Management, the public consultation with Montreal on the development of McGill College Ave., and a lengthy list of community relations, that included, again, the opening of the Bensadoun School of Retail Management, with Bensadoun's contribution of \$25M, the successful brain symposium on neuroinformatics, and a \$4M gift for the Dobson Centre for Entrepreneurship.

A single question was addressed concerning indigenous curriculum content and equitable recruitment, submitted by Sentators Lavoineae and Wilson. Specifically, what actions does the University plan. A response from Senator Manfredi stated there are no calls for action in the report that McGill will not address. Senator Wilson asked what does "address" mean in this context – if this was a statement of action or simply discussion. In particular, will the BoG change or simply address the renaming of the men's teams? The response was, they will all be addressed. While I've heard much discussion on this topic, there are few actual suggested solutions to a renaming, including by the students who raised this at senate. As a former Redman, I can say I did not feel the name was meant to be derogative during at least the early 90s but was a proud title. However, progressive thinking is our job and so should suggested changes in the name. ALL REDS, anyone?

The meeting followed with a 45 minute Open Discussion on the Recommendations of the Report of the Principal's Task Force on Respect and Inclusion in Campus Life (Mission, Trust and Information Governance). Briefly:

Mission. The discussion centred on the role of the university in providing health and social services. Senator Buddle stated we need to be clear on what can be done. On the

Senator Buddle presented revisions to the Code of Student Conduct, which were last updated in 2013.

The annual report of committee on physical development was presented by Dr. Charlebois, chair of the Senate Committee on Physical Development (SCPD). Just as he got started, I had to leave to catch a 5 pm train to pick up a kid from daycare and spare the embarrassing \$1/minute late charges family life incurs. Although that seems high, the economy of spousal wrath is even more expensive. Although the Senate received a quick report from Dr. Charlebois, I was entertai

8. <u>Members' Question Period</u>

There were no questions.

9. Other Business

There being no further business, Ms. Hunter moved , seconded by Mr. Halloran, that the meeting be adjourned at $3:50\ p.m.$