

**FACULTY OF SCIENCE
ACADEMIC COMMITTEE**

Minutes of the meeting held on November 25, 2014 at 2:30 p.m. in Arts Council Room, Arts 160.

PRESENT: Dean Martin Grant (Chair), Associate Dean Tamara Western (Vice-Chair), Director Nicole Allard, Professors Thomas Bureau, Blaine Ditto, Barbara Hales, Vojkan Jaksic, Daniel Kirshbaum, Michel Lapointe, Craig Mandato, Guy Moore, Ana Nyzhnyk, Kathy Roulet, Amy Szuchmacher Blum, Clark Verbrugge, Anthony Williams-Jones; Simon Bilodeau, Jeremy Goh, Kai Hong, Vivian Ku, Laura Lyon, Jessica Quaggin-Smith, Rose Rutherford-Stone; Geralda Bacaj, Josie D'Amico.

VISITORS: Professor Monroe Cohen

REGRETS: Ms. Sara Holder, Professors Greg Marczynski, Julie St-Pierre,

DOCUMENTS: AC-14-7, AC-14-22 to AC-14-62

Dean Grant called the meeting to order at 2:30 p.m.

(1) ADOPTION OF AGENDA

Prof. Hales **moved**, seconded by Prof. Moore, that the Agenda be adopted.

The motion carried.

(2) MINUTES OF THE MEETING OF 28 OCTOBER 2014

AC-14-22

Prof. Verbrugge **moved**, seconded by Ms. Roulet, that the Minutes be adopted.

The motion carried.

(3) BUSINESS ARISING FROM THE MINUTES

- Minute 204.1 to 204.6, Minor in Neuroscience (AC-14-7)

303.1 Associate Dean Western explained that at the 28 October 2014 meeting, the Minor in Neuroscience had been tabled to allow further consultation with the Department of Psychology. Increasing the number of credits outside the home department had been a concern to Psychology.

Associate Dean Western **moved**, seconded by Prof. Ditto, to remove the proposal from the table.

The motion carried.

303.1 Prof. Cohen said that after consultation with the Department of Psychology, and after several other changes to the program, all members of the Neuroscience Committee, including the Psychology representative, had agreed to the proposal as it was now being presented.

303.2 Associate Dean Western explained that the additional changes since tabling were an increase in the number of Required courses, with a corresponding reduction in the number of Complementary courses.

Associate Dean Western **moved**, seconded by Prof. Ditto, that the current proposal be approved.

The motion carried.

(4) MINOR COURSE CHANGES (for information) AC-14-23

304.1 Associate Dean Western described the Minor Course Changes.

(5) ANATOMY & CELL BIOLOGY

ANAT 214 Systemic Human Anatomy **AC-14-24**
Changes: course activities, supplementary Calendar
information
3 credits

305.1 Prof. Mandato explained that a two-hour tutorial had been added to the course activities.

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

The motion carried.

(6) McGill School of Environment

B.Sc. Program Changes:
- Major in Environment: Biodiversity and Conservation Domain **AC-14-25**

306.1 Ms. Roulet said that the changes were basically to tidy up the domain.

Ms. Roulet **moved**, seconded by Associate Dean Western, that the changes be approved.

The motion carried.

B.Sc. (Ag. Env. Sc.) Program Changes – *For Information*:
- Major in Environment: Biodiversity and Conservation Domain

**(7) Chemistry
New course:**

CHEM 283 Intro Phys Chem Lab **AC-14-26**
2 credits

307.1 Prof. Blum said that the previous two one-credit courses (CHEM 253, CHEM 263) being replaced by CHEM 283, had resulted in scheduling problems for students. Having a single two-credit course given in both semesters should eliminate these problems.

Prof. Blum **moved**, seconded by Prof. Verbrugge, that the course be adopted.

The motion carried.

Secretary's Note: CHEM 253 and CHEM 263 are listed in the Major in Atmospheric Science and Honours in Atmospheric Science. The Department of Atmospheric & Oceanic Sciences has been contacted about rearranging these programs.

	CHEM 345	Intro to Quantum Chem Changes: title, prerequisites 3 credits	AC-14-27
307.2	<p>Prof. Blum explained the changes.</p> <p>Prof. Blum moved, seconded by Prof. Mandato, that the changes be approved.</p> <p>The motion carried.</p>		
	CHEM 355	Appl of Quantum Chemistry Changes: title, description 3 credits	AC-14-28
307.3	<p>Prof. Blum said that the title and description changes better reflect the course as currently taught.</p> <p>Prof. Blum moved, seconded by Director Allard, that the changes be approved.</p> <p>The motion carried.</p>		
	CHEM 482	Organic Chem:Natural Products Changes: number [from -382], restrictions 3 credits	AC-14-29
307.4	<p>Prof. Blum said that the course has a 300-level prerequisite, and the material taught is more appropriate to the 400-level.</p> <p>Prof. Blum moved, seconded by Associate Dean Western, that the changes be approved.</p> <p>The motion carried.</p>		
	Program Changes:		
	- Major in Chemistry		AC-14-30
	- Honours in Chemistry		AC-14-31
	- Major in Chemistry with Bio-organic Option		AC-14-32
	- Honours in Chemistry with Bio-organic Option		AC-14-33
	- Major in Chemistry with Materials Option		AC-14-34
	- Honours in Chemistry with Materials Option		AC-14-35
307.5	<p>Prof. Blum explained the reasons for the program changes, basically to allow for the introduction of CHEM 283, and the change of MATH 315 from a Required to a Complementary course in order to make programs in Chemistry more flexible.</p> <p>Prof. Blum moved, seconded by Prof. Moore, that the changes be approved.</p> <p>The motion carried.</p>		
	New Programs:		
	- Major in Chemistry with Measurement Option		AC-14-36
	- Honours in Chemistry with Measurement Option		AC-14-37

307.6 Prof. Blum said that the new programs were in response to student requests, and would enable students to focus on physical and analytical chemistry.

Prof. Blum **moved**, seconded by Prof. Moore, that the above new programs be adopted.

The motion carried.

307.7 Associate Dean Western said Item #10 on the current Agenda would deal with SCTP's request for units to review their current programs to weed out those with low enrolment. All new programs submitted must address the issue of potential enrollment. She pointed out the above new programs in Chemistry would need to add a note to the Rationale concerning this before submission to SCTP.

(8) Pharmacology & Therapeutics

308.1 Prof. Hales gave an overview of the Pharmacology proposals.

308.2 Prof. Hales said that the B.Sc. in Pharmacology had been running for about five years, and in that time relatively few changes had been made to the program. The current changes were in response to student requests.

308.3 In the current program, students do not actually take Pharmacology courses until U2. The new courses, PHAR 200 and PHAR 201, are designed to introduce students to Pharmacology in U1.

308.4 Currently, there is no laboratory course in Pharmacology, due to lack of space and equipment. PHAR 390 is designed to rectify this, by running a laboratory course for two weeks in August, using lab space in Physiology and equipment borrowed from Biochemistry. PHAR 390, initially at least, will be run as a Complementary course in the Honours program, which has an enrolment of fewer than 20 students.

308.5 At the moment, there are relatively few 500-level courses, but often students begin graduate work without having had a Pharmacology background, so the 500-level courses have to accommodate both undergraduate and graduate students. The two new 500-level courses would be interactive courses, and as well, would spread students around more in the upper-level courses.

308.6 The modifications to the existing 500-level courses are to take account of the introduction of the new 500-level courses, and to provide students with a greater variety of course options.

New course:

PHAR 200	Introduction to Pharmacology 1 1 credit	AC-14-38
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New course:

PHAR 201	Introduction to Pharmacology 2 1 credit	AC-14-39
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Prof. Hales **moved**, seconded by Director Allard, that the above courses be adopted.

The motion carried.

New course:

PHAR 390

Laboratory in Pharmacology
3 credits

AC-14-40

308.7 In response to a student member, it was agreed to add under Restrictions "or permission of instructor."

308.8 Other changes:
"Experimental protocols" should be replaced by "lab reports" wherever it occurs. Prof. Hales will speak to the instructor of the course regarding reducing the grade for course preparation from 10% to 5%. The grade for lab reports ("experimental protocols") will likely be correspondingly increased from 60% to 65%, but Prof. Hales will confirm this with the instructor.

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

The motion carried.

Secretary's Note: The instructor has agreed to the above changes.

New course:

PHAR 505

Structural Pharmacology
3 credits

AC-14-41

308.9 In PHAR 505 syllabus, under 4) Written report (20%), the last sentence will be replaced with

"The criteria that will be used to evaluate the written reports are:
1) Quality of the presentation (clarity, well-structured paragraphs, use of images or tables)
2) Good understanding of the topic (context of the study, critical thinking, completeness of review)"

Prof. Hales **moved**, seconded by Associate Dean Western, that the course be adopted.

The motion carried.

New course:

PHAR 565

Epigenetic Drugs and Targets
3 credits

AC-14-42

308.10 Changes:
In the syllabus, under Structure, the following should be removed from the second sentence:

"at the discretion of individual instructors"

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

The motion carried.

Secretary's Note: The instructor has agreed to the above change.

Course Changes:

PHAR 508	Drug Discovery and Develop. 3 Changes: number [from -558]; course activities, title, Description, prerequisites, restrictions, supplementary Calendar Information 3 credits	AC-14-43
PHAR 562	Neuropharmacology Changes: title, description, prerequisites 3 credits	AC-14-44
PHAR 563	Endocrine Pharmacology (Changes: title, prerequisites, description, restrictions Supplementary Calendar info 3 credits	AC-14-45

308.11 Changes:
In PHAR 563, class participation to be reduced from 10% to 5%. Prof. Hales will confirm this with the instructor, and find out which other form of evaluation will be correspondingly increased.

Prof. Hales **moved**, seconded by Director Allard, that the changes be approved.

The motion carried.

Secretary's Note: The instructor has changed the evaluation to 40% mid-term and 60% final examination.

Program Changes:	
- Minor in Pharmacology	AC-14-46
- Major in Pharmacology	AC-14-47
- Honours in Pharmacology	AC-14-48

308.12 Prof. Hales highlighted the changes:
- taking allowance of the above new courses and course changes
- providing maximum flexibility in the programs

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

The motion carried.

Secretary's Note: CHEM 503/PHAR 503 and CHEM 504/PHAR 504 were originally created as double-prefix courses. They are no longer double-prefix courses.

(9) Earth & Planetary Sciences

New course:

EPSC 240	Geology in the Field 3 credits	AC-14-49
Course Changes:		
EPSC 210	Introductory Mineralogy Change in description 3 credits	AC-14-50
Course Retirement:		
EPSC 312	Spectroscopy of Minerals 3 credits	AC-14-51

309.1 Prof. Williams-Jones explained that EPSC 240 would be replacing EPSC 312, which will be retired. Relevant material from EPSC 312 will be integrated into EPSC 210. EPSC 240 will better prepare students for field courses that they will take later in the program.

309.2 Ms. Roulet said that since EPSC 240 would become a prerequisite to EPSC 331 and EPSC 341, which are Complementary courses for the B.Sc. Major in Environment, Earth Sciences and Economics domain, and for the B.A. Faculty Program in Environment, Economics and the Earth's Environment domain, she would like to request that EPSC 240 also be listed as a Complementary course for these domains. Prof. Williams-Jones said in principle, he had no objection, but since EPSC 240 is a field course, preference would have to be given to EPS students. Ms. Roulet said that she did not anticipate a large extra enrolment in EPSC 240.

Prof. Williams-Jones **moved**, seconded by Ms. Roulet, that the above new course and course changes be approved.

The motion carried.

Secretary's Note: EPSC 240 has been added as a Complementary course to the B.Sc. Major in Environment, Earth Sciences and Economics domain, and to the B.A. Faculty Program in Environment, Economics and the Earth's Environment domain.

EPSC 331	Field School 2 Change in prerequisite 3 credits	AC-14-52
EPSC 341	Field School 3 Change in prerequisite 3 credits	AC-14-53
EPSC 423	Igneous Petrology Change in prerequisite 3 credits	AC-14-54
EPSC 445	Metamorphic Petrology Change in prerequisite 3 credits	AC-14-55
EPSC 452	Mineral Deposits Change in prerequisite 3 credits	AC-14-56
EPSC 530	Volcanology Change in prerequisite 3 credits	AC-14-57

309.3 Prof. Williams-Jones said that the above changes in prerequisites reflect the introduction of the new course, EPSC 240, the changes to EPSC 210, and the retirement of EPSC 312.

309.4 Associate Dean Western pointed out that with the removal of EPSC 312, the above three 400-level courses and the 500-level course would have only a 200-level prerequisite. She suggested that these courses be restricted to U2 and U3 students. Prof. Williams-Jones agreed to the restriction.

Prof. Williams-Jones **moved**, seconded by Associate Dean Western, that the above changes be approved.

The motion carried.

Program Changes:

- Major in Geology (Renamed from Major in Earth & Planetary Sciences) **AC-14-58**
- Honours in Planetary Sciences **AC-14-59**
- Honours in Geology (Renamed from Honours in Earth Sciences) **AC-14-60**

- 309.5** Prof. Williams-Jones explained that the program changes reflected the above course changes, and also made it explicit that students were graduating with a degree in Geology.

Prof. Williams-Jones **moved**, seconded by Prof. Mandato, that the changes be approved.

The motion carried.

- (10) APC Subcommittee on Courses and Teaching Programs (SCTP) AC-14-61**

- 310.1** Associate Dean Western said, as she had earlier mentioned, that SCTP had asked that departments review and consider retiring any low enrolment programs. Also, in proposing new programs, their need regarding enrolment should be addressed in the Rationale of the New Program Forms. SCTP has posted this requirement in its Guidelines for New Programs on its website.

<http://www.mcgill.ca/sctp/guidelines>

- 310.2** Associate Dean Western said a list of enrolment figures for programs will be sent to units offering B.Sc. degrees.

- (11) SUS ACTIVITIES AC-14-62**

- 311.1** Mr. Goh read out the report on the SUS activities over the last month.

"A lot has been going on within the SUS in the last little while. We currently have submitted a referendum to increase the base fee for all Science, and Arts and Science students, and have also submitted another referendum to initiate the Student Space Improvement Fee to fund renovations of Burnside and other areas relevant to Science students. In addition, departments may apply to receive a sum of this money to improve their respective spaces, as well. The referendum was submitted via the general council as a quorum was not reached during the general assembly. In other portfolios, there is now a standing committee dealing with Constitutional Affairs, a modified Science Career Fair is in the works, a sustainable fashion show is upcoming, and we have Grad Ball and the annual SUS Gala to look forward to next semester. Our ERO has brought in over ten thousand dollars in sponsorship and we have just signed another exclusive deal with SOS Tutoring. Finally, Academia Week will be taking place during the last week of January."

- (12) OTHER BUSINESS**

There being no further business, the meeting adjourned at 3:38 p.m.