

**FACULTY OF SCIENCE  
ACADEMIC COMMITTEE**

Minutes of the meeting held on May 4, 2010, at 3:00 p.m. in Arts Council Room, Arts 160.

**PRESENT:** Associate Dean Hendren (Chair), N. Allard (Vice-Chair); Professors F. Bedford, L. Berrang Ford (in place of J. Unruh), A. Clerk, F. Fabry, A. Hundemer, R. Levine, B. Nagar, G. O'Driscoll, P. Panangaden, J. Paquette (in place of B. Wing), D. Ronis, K. Roulet; L. Houle; A. Bezborra, V. Khan; J. D'Amico, M. Yalaoui.

**REGRETS:** Dean Grant; Professors B. Hales, G. Marczynski, A. Wechsler; A. Ashraf, A. Dafoe, J. Kanji, E. Lee, M. Smaoui; Associate Dean Hendershot.

**DOCUMENTS:** AC-09-81 to AC-09-99

Associate Dean Hendren, in the absence of Dean Grant, called the meeting to order at 3:05 p.m.

**(1) ADOPTION OF AGENDA**

**901.1** The following items to be considered under Item #11, Other Business:

- (i) Faculty of Education - B.Ed.; Secondary Science & Technology Program
- (ii) Faculty of Engineering - B.Eng.; Bioengineering Program (*New*)
- (iii) Minor in Technological Entrepreneurship for Science Students

Prof. Fabry **moved**, seconded by Prof. Clerk, that the amended Agenda be approved.

**The motion carried.**

**(2) MINUTES OF MARCH 23, 2010 AC-09-81**

Ms. Roulet **moved**, seconded by Prof. Fabry, that the Minutes be approved.

**The motion carried.**

**(3) BUSINESS ARISING FROM THE MINUTES**

There was no business arising from the Minutes.

**(4) REPORT ON MINOR COURSE CHANGES AC-09-82  
(for information)**

**904.1** Associate Dean Hendren thanked units for submitting revisions to their orphan courses and for their general work in housekeeping for other courses.

**(5) GEOGRAPHY**

***NEW COURSE:***

GEOG 406 Human dimensions clim. change  
3 credits

**AC-09-83**

**905.1** Prof. Berrang Ford, on behalf of Prof. Unruh, introduced the above new course GEOG 406, which will be taught by a new faculty member.

**905.2** In reply to a member who was concerned about the wide-ranging prerequisite courses, Prof. Berrang Ford said that the students would have different backgrounds.

**905.3** Mr. Houle said that it was important that the library know ahead of time the reading lists for GEOG 406.

Prof. Berrang Ford **moved**, seconded by Prof. Fabry, that the course be adopted.

**The motion carried.**

**(6) PSYCHOLOGY**

PSYC 310	Human Intelligence Changes in title, description & prerequisites 3 credits	<b>AC-09-84</b>
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Prof. O'Driscoll **moved**, seconded by Prof. Bedford, that the changes be approved.

**The motion carried.**

**Secretary's Note:** Prof. O'Driscoll confirmed that the prerequisites listed in Document AC-09-84 were indeed correct.

<b>NEW COURSE:</b>		
PSYC 365	Cognitive Neurosci Attention 3 credits	<b>AC-09-85</b>

**906.1** Prof. O'Driscoll introduced the new course PSYC 365, which was a consequence of the hiring of a new faculty member in the Department of Psychology. She said that for the first year, the course would be restricted to Psychology students and Cognitive Science students. In future years, the course might be opened to Neuroscience students.

Prof. O'Driscoll **moved**, seconded by Prof. Ronis, that the course be adopted.

**The motion carried.**

<b>NEW COURSE:</b>		
PSYC 509	Diverse Clinical Populations 3 credits	<b>AC-09-86</b>

**906.2** Prof. O'Driscoll said that PSYC 509, a graduate-type course, would be taught by a new professor in the Department.

Prof. O'Driscoll **moved**, seconded by Prof. Fabry, that the course be adopted.

**The motion carried.**

**(7) McGILL SCHOOL OF ENVIRONMENT**

The following course is <b>cross-listed with CMPL 546.</b>		
ENVR 519	Int Environ Law and Politics Changes: title, description, prerequisites, restrictions 3 credits	<b>AC-09-87</b>

**907.1** Ms. Roulet explained that ENVR 519 was cross-listed with a course in the Faculty of Law, CMPL 546. The changes to ENVR 519 served to open the course to non-MSE students, and to better reflect the interdisciplinary nature of the course.

Ms. Roulet **moved**, seconded by Prof. Clerk, that the changes be approved.

**The motion carried.**

**(8) PHYSICS**

PHYS 101	Intro Physics – Mechanics Change in description 4 credits	<b>AC-09-88</b>
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Prof. Clerk **moved**, seconded by Prof. Levine, that the changes be approved.

**The motion carried.**

PHYS 224	Physics of Music Consolidation of PHYS 224 and PHYS 225, changes in title, description, restriction 3 credits	<b>AC-09-89</b>
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**908.1** Prof. Clerk explained that PHYS 224 and PHYS 225 were intended primarily for Music students. However, the two courses overlapped considerably in material, and PHYS 224 contained biological material relating to hearing. The Faculty of Music had recently added a course covering hearing. The proposed changes would eliminate duplication and remove the material on hearing. At the request of the Faculty of Music, there were no prerequisite courses for the revised PHYS 224.

Prof. Clerk **moved**, seconded by Prof. Levine, that the changes be approved.

**The motion carried.**

PHYS 340	Majors Electricity & Magnetism Changes in description, prerequisites, corequisites 3 credits	<b>AC-09-90</b>
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Prof. Clerk **moved**, seconded by Prof. Ronis, that the changes be approved.

**The motion carried.**

PHYS 351	Honours Classical Mechanics Changes in number [from 451] and restriction 3 credits	<b>AC-09-91</b>
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Prof. Clerk **moved**, seconded by Mr. Houle, that the changes be approved.

**The motion carried.**

PHYS 357	Honours Quantum Physics 1 Changes in prerequisites 3 credits	<b>AC-09-92</b>
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**908.2** After a short discussion concerning possible additional prerequisite courses for PHYS 357, Prof. Clerk **moved**, seconded by Prof. Panangaden, that the changes be approved, pending clarification of the prerequisite courses.

**The motion carried.**

**Secretary's Note:** The Department of Physics approved the following as prerequisites for PHYS 357: MATH 223 (Linear Algebra) or equivalent, and one of PHYS 230, PHYS 251, or CIVE 281.

PHYS 432	Physics of Fluids Changes in number [from 332] and restriction 3 credits	<b>AC-09-93</b>
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**908.3** Prof. Clerk said that the renumbered PHYS 432 better reflected the course content.

Prof. Clerk **moved**, seconded by Prof. Levine, that the changes be approved.

**The motion carried.**

PHYS 534	Nanoscience and Nanotechnology Change in restrictions 3 credits	<b>AC-09-94</b>
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Prof. Clerk **moved**, seconded by Prof. Bedford, that the changes be approved.

**The motion carried.**

- **Program Changes:**  
**Joint Honours Program in Mathematics & Physics** **AC-09-95**

Prof. Clerk **moved**, seconded by Prof. Bedford, that the program changes be approved.

**The motion carried.**

**(9) ANATOMY & CELL BIOLOGY**

ANAT 214	Systemic Human Anatomy Changes in prerequisites 3 credits	<b>AC-09-96</b>
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**909.1** Prof. Bedford said that the new prerequisites would better prepare students for ANAT 214.

Prof. Bedford **moved**, seconded by Prof. Ronis, that the changes be approved.

**The motion carried.**

**909.2** Associate Dean Hendren suggested that the Department of Anatomy & Cell Biology consider renumbering ANAT 214 to the 300 level.

ANAT 321	Circuitry of the Human Brain Changes in prerequisites 3 credits	<b>AC-09-97</b>
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Prof. Bedford **moved**, seconded by Prof. Fabry, that the changes be approved.

**The motion carried.**

ANAT 365	Cellular Trafficking Changes in prerequisites 3 credits	<b>AC-09-98</b>
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**909.3** Prof. Bedford said that the Department had initially intended to add BIOL 301 as a prerequisite. However, the Department of Biology had said that this was not feasible at the present time, due to a shortage of space.

Prof. Bedford **moved**, seconded by Prof. Ronis, that the changes be approved.

**The motion carried.**

**(10) NEUROLOGY & NEUROSURGERY**

NEUR 310	Cellular Neurobiology Changes in prerequisites 3 credits	<b>AC-09-99</b>
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Prof. Bedford **moved**, seconded by Prof. Levine, that the changes be approved.

**The motion carried.**

**Secretary's Note:** Prof. Bedford confirmed that the prerequisites for NEUR 310 were: BIOL 201, or PHGY 209, or PHGY 210; and one of ANAT 321, ANAT 322, BIOL 306, PHGY 311.

**(11) OTHER BUSINESS**

**(i) Faculty of Education - B.Ed.; Secondary Science & Technology Program**

**911.1** Associate Dean Hendren said that the Faculty of Education was revising its B.Ed.; Secondary Science & Technology Program. The program contains Science courses which will henceforth be listed in the Calendar. Associate Dean Hendren said she would like the approval of units for their courses to be listed in the Calendar as part of the B.Ed. Program, as well as suggestions from units for any additional courses they might think appropriate for the program. Although there were normally fewer than 20 students in the program each year, this would still be an opportunity for units to advertize their offerings. She said she would circulate the program to AC members the next day for their comments/approval.

**(ii) Faculty of Engineering - B.Eng.; Bioengineering Program (New)**

**911.2** Associate Dean Hendren said that the Faculty of Engineering was intending to introduce a new B.Eng. Program in Bioengineering. Some of the courses for the program would be Science courses, which would increase the number of Engineering students taking Science courses. Associate Dean Hendren said she would be circulating a document to Academic Committee members describing the proposed program. She would be asking for feedback from members concerning the program in general, the possibility of overlaps between current Science courses and proposed Engineering courses, and whether units would need extra resources for the extra students. Associate Dean Hendren asked members to examine the proposal carefully.

**(iii) Minor in Technological Entrepreneurship for Science Students**

**911.3** Associate Dean Hendren said that the Minor in Technological Entrepreneurship for Science Students will be revised in Fall 2010.

**911.4** Associate Dean Hendren thanked all members for their hard and diligent work during the academic year. She reminded members that she would be away on sabbatical leave for the 2010-2011 academic year, and she wished everyone well for the year.

There being no other business, the meeting adjourned at 4:10 p.m.