



**457<sup>th</sup> REPORT OF THE ACADEMIC POLICY COMMITTEE TO SENATE  
On APC meeting held on May 15<sup>th</sup> 2014**

**I. TO BE APPROVED BY SENATE**

**(A) NEW TEACHING PROGRAMS REQUIRING SENATE APPROVAL** (approvals of new minors and options added to existing programs and major revisions to programs are reported in Section IV.A.1.a. for information)

**Faculty of Engineering**

- B.Eng; Bioengineering (141-151 cr.) – *Appendix A*

At a meeting on 15<sup>th</sup> May 2014, APC reviewed and approved a proposal from the Faculty of Engineering to create a Bachelor of Engineering, major in Bioengineering. Bioengineering is a rapidly emerging field with considerable commercial and societal value. It was listed in McGill's 2008 strategic plan as an existing area of strength and of current and future investment within McGill. The demand is growing for highly qualified personnel, notably in Quebec, which has the fourth highest number of biotechnology companies of any province or state in North America. Currently, there is a limited access to training in bioengineering for undergraduates in the Faculty of Engineering, primarily through the minor in Biomedical Engineering. Undergraduate students can also enroll in the Bioresource Engineering program, which has a focus on Agricultural and Environmental Engineering. The only program in Biomedical Engineering currently available at McGill is offered by the Faculty of Medicine at the graduate level. There is a clear need for an undergraduate degree program in engineering providing a fundamental training in the broad area of engineering in the life sciences. The proposed program will be complementary to the existing Bachelor of Engineering in Bioresource Engineering, and will provide a good background to those wishing to continue in Biomedical Engineering at the graduate level.

The goal of the proposed program is to provide undergraduate students with a solid training in the fundamentals of bioengineering and an exposure to specialized topics in specific areas of Bioengineering whether they are health-care or non-health-care related. The style and workload of the proposed program will be similar to the ones in other Bachelors of Engineering offered by the Faculty of Engineering.

APC therefore recommends that Senate approve the following resolution:

*Be it resolved that Senate approve the proposed B.Eng; Bioengineering (141-151 cr.)*

**(B) ACADEMIC PERFORMANCE ISSUES / POLICIES / GOVERNANCE/AWARDS - none**

**(C) CREATION OF NEW UNITS / NAME CHANGES / REPORTING CHANGES - none**

**(D) CHANGES IN DEGREE DESIGNATION - none**

**(E) INTER-UNIVERSITY PARTNERSHIPS – none**

(F) OTHER – *none*

II. **TO BE ENDORSED BY SENATE / PRESENTED TO SENATE FOR DISCUSSION** – *none*

III. **APPROVED BY APC IN THE NAME OF SENATE**

(A) DEFINITIONS – *none*

(B) STUDENT EXCHANGE PARTNERSHIPS / CONTRACTS / INTERUNIVERSITY PARTNERSHIPS - *none*

(C) OTHER - *none*

IV. **FOR THE INFORMATION OF SENATE**

A) **ACADEMIC UNIT REVIEWS**

In accordance with the policy on Academic Unit Reviews (approved by Senate on 19<sup>th</sup> Jan 2011), APC assessed, in 2013/2014, the documents pertaining to the reviews of the following academic units:

Department of Philosophy (Sept 19<sup>th</sup>, 2013)

Department of Anthropology (October 3<sup>rd</sup>, 2013)

Department of Translation and Written Communication (October 3<sup>rd</sup>, 2013)

Faculty of Religious Studies (October 31<sup>st</sup>, 2013)

School of Communication Sciences and Disorders (November 21<sup>st</sup>, 2013)

Department of Physics (November 21<sup>st</sup>, 2013)

Department of Integrated Studies in Education (November 21<sup>st</sup>, 2013)

Department of Pathology (December 12<sup>th</sup>, 2013)

Department of Earth and Planetary Science (February 6<sup>th</sup>, 2014)

Faculty of Dentistry (February 6<sup>th</sup>, 2014)

Institute of Parasitology (February 6<sup>th</sup>, 2014)

Department of Chemistry (February 6<sup>th</sup>, 2014)

Department of Psychiatry (March 20<sup>th</sup>, 2014)

Department of Economics (March 20<sup>th</sup>, 2014)

Department of Physiology (April 3<sup>rd</sup>, 2014)

Department of Psychology (April 3<sup>rd</sup>, 2014)

Institute of Gender, Sexuality and Feminist Studies (May 15<sup>th</sup>, 2014)

Medical Physics Unit (May 15<sup>th</sup>, 2014)

B) **APPROVAL OF COURSES AND TEACHING PROGRAMS**

1. **Programs**

a) APC approvals (new options/concentrations and major revisions to existing programs)

i. New concentrations/options within existing programs

Desautels Faculty of Management

Ph.D.; Management; Environment (0 cr.)

Across the University, number of Faculties and Departments are joining with the School of Environment to offer a new environment option as part of various existing degrees. This new environment option, available to students pursuing a Ph.D. in Management, will provide them with an appreciation of the role of science in informing decision-making in

the environment sector, and the influence that political, socio-economic and ethical judgments have.

*Approved by CGPS March 17<sup>th</sup>, 2014; SCTP April 10<sup>th</sup>, 2014; and APC May 15<sup>th</sup>, 2014 (14-APC-05-82)*

Faculty of Medicine

M.Sc.; Experimental Surgery; Surgical Education; Thesis (45 cr.)

This concentration responds to an increasing demand and interest for surgeons with expertise in Surgical Education, and provides the basic education coursework and research exposure for a candidate to obtain a solid foundation in Surgical Education.

M.Sc.; Experimental Surgery; Surgical Innovation; Thesis (45 cr.)

The aim of this concentration is to attract more residents and scientists into surgical research, by offering training that is likely going to be more relevant to them going forward. It allows for a hands-on learning experience for students to develop skills necessary to work within multi-disciplinary teams in the creation of a novel, needs-driven and marketable prototypes used in the development of novel surgical and medical devices.

*Approved by CGPS March 17<sup>th</sup>, 2014; SCTP April 10<sup>th</sup>, 2014; and APC May 15<sup>th</sup>, 2014 (14-APC-05-82)*

ii. Major revisions of existing programs

Faculty of Arts

B.A.; Liberal Arts; Major Concentration (36 cr.)

B.A.; Liberal Arts; Honours (60 cr.)

Both programs expose students to texts and histories of a suitably wide range of cultures and societies. Revisions were made to strengthen them and streamline their administration. The addition of new courses (a required introductory (LIBA 202) and capstone course (LIBA 402) to the B.A.; Liberal Arts; Major Concentration, and an introductory (LIBA 202) and a required Honours Thesis ((LIBA 490) to the B.A.; Liberal Arts; Honours Programs) requires students to complete a minor concentration in language program other than English, and also allowed the re-organization of the curriculum in three basic streams.

B.A.; World Islamic and Middle East Studies; Minor Concentration (18 cr.)

B.A.; World Islamic and Middle East Studies; Major Concentration (36 cr.)

B.A.; World Islamic and Middle East Studies; Honours (60 cr.)

B.A.; World Islamic and Middle East Studies Component; Joint Honours (36 cr.)

World Islamic and Middle East Studies is in an interdisciplinary program focusing on Muslim cultures and societies both past and present and aiming at providing students with training in the textual traditions and social life of Muslims across different times and places. The programs will be taking full advantage of the course offerings of the Institute of Islamic studies.

B.A.; Arabic Language, Minor Concentration (18 cr.)

B.A.; Persian Language, Minor Concentration (18 cr.)

B.A.; Turkish Language; Minor Concentration (18 cr.)

B.A.; Urdu Language; Minor Concentration (18 cr.)

These Minor Concentrations offer in depth training (listening, speaking, reading and writing) in Arabic, Persian, Turkish or Urdu.

*Approved by SCTP April 10<sup>th</sup>, 2014 and APC May 15<sup>th</sup>, 2014 (14-APC-05-82)*

Ph.D.; Sociology (0 cr.)

Ph.D.; Sociology; Gender and Women's Studies (0 cr.)

The Department of Sociology has been working on streamlining its program requirements to reflect the changing job market demands for sociology Ph.Ds. The language requirement, which does not provide significant added value to the students, has been suppressed for these two programs.

*Approved by CGPS April 14<sup>th</sup>, 2014; SCTP April 30<sup>th</sup>, 2014 and APC May 15<sup>th</sup>, 2014 (14-APC-05-82)*

Faculty of Medicine

M.Sc.; Experimental Surgery; Thesis (45 cr.)

The credit weight of this program was revised to meet the 45 credits requirement (reduction of the Thesis course by 3 credits), while still incorporating all required and complementary courses.

*Approved by CGPS March 17<sup>th</sup>, 2014; SCTP April 10<sup>th</sup>, 2014; and APC May 15<sup>th</sup>, 2014 (14-APC-05-82)*

Faculty of Science

M.Sc.; Computer Science; Thesis (45 cr.)

M.Sc.; Computer Science; Bioinformatics; Thesis (45 cr.)

M.Sc.; Computer Science; Computational Science and Engineering; Thesis (45 cr.)

The re-introduction of COMP 601 (Thesis Literature Review – 2 cr.) will ensure that students conduct a broad research review instead of focusing simply on their specific M.Sc. topic.

*Approved by CGPS March 17<sup>th</sup>, 2014; SCTP April 10<sup>th</sup>, 2014; and APC May 15<sup>th</sup>, 2014 (14-APC-05-82)*

**b) APC Subcommittee on Courses and Teaching Programs (SCTP) approvals (Summary reports: <http://www.mcgill.ca/sctp/documents/>)**

i. Moderate and minor program revisions

Faculty of Arts

Approved by SCTP February 2<sup>nd</sup>, 2014; reported to APC on May 15<sup>th</sup>, 2014 (14-APC-05-82)

B.A.; Classics; Honours (60 cr.)

B.A.; Langue et littérature françaises; Études et pratiques littéraires; Spécialisation (54 cr.)

B.A.; Langue et littérature françaises; Études et pratiques littéraires; Double spécialisation (36 cr.)

B.A.; Langues et littérature françaises; Études et pratiques littéraires; Concentration majeure (36 cr.)

B.A.; Langue et littérature françaises, Critique littéraires; Concentration mineure (18 cr.)

B.A.; Core Science Component in Physiology; Liberal Program (50 cr.)

B.A.; English; Drama and Theatre; major Concentration (36 cr.)

B.A.; English; Drama and Theatre; Honours (60 cr.)

B.A.; English; Drama and Theatre Component; Joint Honours (36 cr.)

M.A.; Linguistics; Non-Thesis (45 cr.)

Faculty of Dentistry

DMD (216 cr.)

Faculty of Engineering  
B.Sc. (Architecture) (126 cr.)

Faculty of Science  
Approved by SCTP on March 27<sup>th</sup>, 2014, reported to APC on May 15<sup>th</sup>, 2014 (14-APC-05-76)  
B.Sc.; Biology; major (58-59 cr.)  
B.Sc.; Physiology; Honours (75 cr.)  
B.Sc.; Physiology; Major (64-65 cr.)  
B.Sc.; Applied Mathematics; Honours (60 cr.)  
B.Sc.; Mathematics; Honours (60 cr.)  
B.Sc.; Mathematics and Physics; Honours (81 cr.)  
B.Sc.; Probability and Statistics; Honours (65 cr.)  
B.Sc.; Statistics and Computer Science; Honours (79 cr.)  
B.Sc.; Mathematics and Computer Science; Joint Honours (75 cr.)

ii. Program retirements

Faculty of Arts  
Approved by SCTP February 27<sup>th</sup>, 2014, reported to APC on May 15<sup>th</sup>, 2014 (14-APC-05-76)  
*B.A.; Liberal Arts Component; Joint honours (36 cr.)*  
Approved by SCTP April 10<sup>th</sup>, 2014; reported to APC May 15<sup>th</sup>, 2014 (14-APC-05-82)  
*B.A.; Middle East Studies; Major Concentration (36 cr.)*  
*B.A.; Middle East Studies; Honours (60 cr.)*  
*B.A.; Middle East Studies Component; Joint Honours (36 cr.)*  
*B.A.; Middle East Studies; Minor Concentration (18 cr.)*  
*B.A.; Middle East Languages; Minor Concentration (18 cr.)*  
*B.A. Islamic Studies; Minor Concentration (18 cr.)*

Faculty of Medicine  
Approved by SCTP on January 16<sup>th</sup>, 2014, reported to APC on May 15<sup>th</sup>, 2014 (14-APC-05-76)  
*M.Sc. (applied); Nursing; Non-Thesis (45-58 cr.)*

## 2. Courses

- a) New Courses  
*Reported as having been approved by SCTP on December 5<sup>th</sup>, 2013*  
Faculty of Arts: 2  
Faculty of Education: 3  
  
*Reported as having been approved by SCTP on March 13<sup>th</sup>, 2014*  
Faculty of Engineering: 9  
  
*Reported as having been approved by SCTP on March 27<sup>th</sup>, 2014*  
Faculty of Science: 3  
Faculty of Medicine: 2  
Reported as having been approved on April 10<sup>th</sup>, 2014  
Faculty of Arts: 10  
Faculty of Dentistry: 4

Faculty of Engineering: 3  
Faculty of Medicine: 3  
Schulich School of Music: 1

b) Course Revisions

Reported as having been approved by SCTP on December 5<sup>th</sup>, 2013

Faculty of Science: 3

Reported as having been approved on March 13<sup>th</sup>, 2014

Faculty of Science: 1

Reported as having been approved by SCTP on March 27<sup>th</sup>, 2014

Faculty of Medicine: 2

Faculty of Science: 8

Reported as having been approved by SCTP on April 10<sup>th</sup>, 2014

Faculty of Arts: 21

Faculty of Engineering: 10

Faculty of Medicine: 2

Schulich School of Music: 7

c) Course retirement

Reported as having been approved by SCTP on April 10<sup>th</sup>, 2014

Faculty of Arts: 24

Faculty of Engineering: 1

Faculty of Medicine: 1

Schulich School of Music: 1

**(B) OTHER** - *none*