



**475th REPORT OF THE ACADEMIC POLICY COMMITTEE TO SENATE**

**On the APC meeting held on September 22<sup>nd</sup> 2016**

**I. TO BE APPROVED BY SENATE**

**(A) NEW TEACHING PROGRAMS REQUIRING SENATE APPROVAL**

**Graduate and Postdoctoral Studies**

**Graduate Diploma in Surgical Innovation (30 cr.) - Appendix A**

At a meeting on September 22<sup>nd</sup> 2016, APC reviewed and approved a proposal from Graduate and Postdoctoral Studies (GPS) to create a Graduate Diploma in Surgical Innovation. This diploma is aimed at applicants and surgery residents with an interest in the business and management aspects of surgical innovation, and will be particularly attractive to residents who are unable to commit to a Master's degree program. Students will take two innovation courses (mostly offered by the McGill Department of Surgery) as well as fundamental business and management courses provided by both the McGill School of Continuing Studies and the John Molson School of Business. This Graduate Diploma is being created as the skills required within the realm of surgical research can no longer only be met by the present curriculum of the existing Experimental Surgery programs at McGill.

APC therefore recommends that Senate approve the following resolution:

*Be it resolved that Senate approve the proposed Graduate Diploma in Surgical Innovation.*

**(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 – none**

## B) APPROVAL OF COURSES AND TEACHING PROGRAMS

### 1. Programs

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

- i. New Programs – *none*
- ii. Major Revisions of Existing Programs- *none*

#### b) APC Subcommittee on Courses and Teaching Programs (SCTP) Approvals (Summary Reports: <http://www.mcgill.ca/sctp/documents/>)

##### i. Moderate and Minor Program Revisions

*Approved by SCTP on 5<sup>th</sup> May 2016, reported to APC on 22<sup>nd</sup> September 2016*

##### **Faculty of Arts**

- B.A.; Honours, German Studies (60 cr.)
- B.A.; Minor Concentration in German Studies (18 cr.)
- B.A.; Minor Concentration in German Language (18 cr.)
- B.A. and Sc.; Minor in Geographic Information Systems and Remote Sensing (18 cr.)
- B.A.; Minor Concentration in Geographic Information Systems (18 cr.)
- B.A. and Sc.; Minor in Physics (18 cr.)
- B.A. and Sc.; Major Concentration in Physics (36 cr.)
- B.A.; Major Concentration in Quebec Studies (36 cr.)
- B.A.; Minor Concentration in Quebec Studies (18 cr.)
- B.A.; Major Concentration in Geography; Urban Studies (36 cr.)
- B.A.; Minor Concentration in Geography, Urban Studies (18 cr.)
- B.A.; Minor Concentration in World Islamic and Middle East Studies (18 cr.)
- B.A.; Major Concentration in World Islamic and Middle East Studies (36 cr.)
- B.A.; Joint Honours – World Islamic and Middle East Studies Component (36 cr.)
- B.A.; Honours in World Islamic and Middle East Studies (60 cr.)
- B.A.; Joint Honours – Art History Component (36 cr.)
- B.A.; Minor Concentration in Gender, Sexuality Feminist and Social Justice Studies (18 cr.)
- B.A.; Major Concentration in Gender, Sexuality Feminist and Social Justice Studies (36 cr.)
- B.A.; Joint Honours- Gender, Sexuality Feminist and Social Justice Studies Component (36 cr.)
- B.A.; Honours; Gender, Sexuality Feminist and Social Justice Studies (36 cr.)
- B.A.; Minor Concentration in Political Science (18 cr.)

##### **School of Continuing Studies**

- Certificate in Management (30 cr.)
- Diploma in Management; General (30 cr.)

##### **Faculty of Education**

- B.Ed. in Kindergarten and Elementary Pédagogie de l'Immersion Française (120 cr.)
- B.Ed. in Secondary Social Sciences; History and Citizenship, Ethics and Religious Culture (120 cr.)

##### **Graduate and Postdoctoral Studies**

- Graduate Diploma in Mining Engineering (30 cr.)
- M.Sc.; Mining and Materials Engineering (45 cr.)
- M.Eng.; Mining and Materials Engineering; Non-Thesis (45 cr.)
- M.Eng.; Mining and Materials Engineering (45 cr.)
- Ph.D.; Mining and Materials Engineering (0 cr.)

Ph.D.; Microbiology and Immunology (0 cr.)  
M.Sc.; Family Medicine; Medical Education (45 cr.)  
M.Sc. (Applied); Communication Sciences and Disorders; Non-Thesis – Speech-Language-Pathology (81 cr.)  
M.Sc. (Applied); Nursing; Non-Thesis – Global Health Direct Entry (58 cr.)  
M.Sc. (Applied); Nursing; Non-Thesis – Direct Entry Nursing (55 cr.)  
M.Sc. (Applied); Nursing; Non-Thesis – Neonatology Nurse Practitioner (45 cr.)  
M.Sc. (Applied); Nursing, Non-Thesis – Advanced Clinical Practice (49 cr.)  
M.Sc. (Applied); Nursing; Non-Thesis- Global Health (48 cr.)  
M.Sc. (Applied); Nursing; Non-Thesis – Nursing Education (50 cr.)  
M.Sc. (Applied); Nursing; Non-Thesis – Nursing Services Administration (50 cr.)  
M.Sc. (Applied); Nursing; Non-Thesis- Primary Care Nurse Practitioner (45 cr.)  
Ph.D.; Nursing (0 cr.)  
Ph.D.; Psychology (0 cr.)  
Ph.D.; Psychology; Language Acquisition (0 cr.)

**Faculty of Law**

B.C.L/LL.B (105 cr.)

**Faculty of Medicine**

M.D.,C.M. (199-203 cr.)

**Faculty of Science**

B.Sc.; Minor in Physics (18 cr.)

B.Sc.; Honours in Physics and Chemistry (80 cr.)

B.Sc.; Honours in Microbiology and Immunology (74 cr.)

B.Sc.; Major in Microbiology and Immunology (68 cr.)

B.Sc.; Liberal Program – Core Science Component in Microbiology and Immunology (49 cr.)

B.Sc.; Honours in Immunology (Interdepartmental) (75 cr.)

B.Sc.; Honours in Computer Science (73-76 cr.)

B.Sc.; Major in Computer Science; Computer Games (63-68 cr.)

B.Sc.; Honours in Software Engineering (73-76 cr.)

*Approved by Enrolment Services in behalf on SCTP on August 1<sup>st</sup>, 2016, reported to APC on 22<sup>nd</sup> September 2016*

**Faculty of Arts**

B.A.; Honours in Anthropology (60 cr.)

B.A.; Joint Honours – Anthropology Component (36 cr.)

B.A.; Major Concentration in Anthropology (36 cr.)

B.A.; Minor Concentration in Anthropology (18 cr.)

**Faculty of Dentistry**

D.M.D. (218.5 cr.)

**Graduate and Postdoctoral Studies/ Faculty of Law**

Joint M.B.A. & B.C.L/LL.B (144 cr.)

Joint M.S.W & B.C.L./LL/B. (132 cr.)

ii. Program Retirements

*Approved by SCTP on 5<sup>th</sup> May 2016, reported to APC on 22<sup>nd</sup> September 2016*

**Faculty of Arts**

B.A.; Minor Concentration in Political Science; Canada/Quebec (18 cr.)

B.A.; Minor Concentration in Comparative Politics (18 cr.)

B.A.; Minor Concentration in International Relations (18 cr.)

B.A.; Minor Concentration in Political Economy (18 cr.)

B.A.; Minor Concentration in Political Theory (18 cr.)  
B.A.; Minor Concentration in Politics, Law and Society (18 cr.)  
B.A.; Minor Concentration in South Asia (18 cr.)

**Faculty of Medicine**

M.Sc. (Applied); Nursing; Non-Thesis – Clinical Nurse Specialist  
M.Sc. (Applied); Nursing; Non-Thesis- Global Health Clinical Nurse Specialist (50 cr.)

*Approved by Enrolment Services in behalf on SCTP on August 1<sup>st</sup>, 2016, reported to APC on 22<sup>nd</sup> September 2016*

**Faculty of Arts**

B.A.; Minor Concentration in Hispanic Literature and Culture (18 cr.)  
B.A.; Minor Concentration in Hispanic languages (18 cr.)

**2. Courses**

a) New Courses

*Reported as having been approved by SCTP on 5<sup>th</sup> May 2016: 42*  
Faculty of Arts: 30  
Faculty of Engineering: 1  
Faculty of Law: 1  
Desautels Faculty of Management: 2  
Faculty of Medicine: 3  
Faculty of Science: 5

b) Course Revisions

*Reported as having been approved by SCTP on 5<sup>th</sup> May 2016: 77*  
Faculty of Agricultural and Environmental Sciences: 8  
Faculty of Arts: 27  
School of Continuing Studies: 2  
Faculty of Dentistry: 1  
Faculty of Education: 2  
Desautels Faculty of Management: 5  
Faculty of Medicine: 10  
Schulich School of Music: 9  
Faculty of Science: 13  
*Approved by Enrolment Services in behalf on SCTP on August 1<sup>st</sup>, 2016: 2*  
Faculty of Arts: 1  
Faculty of Science: 1

c) Course Retirements

*Reported as having been approved by SCTP on 5<sup>th</sup> May 2016: 42*  
Faculty of Agricultural and Environmental Sciences: 14  
Faculty of Arts: 21  
Faculty of Dentistry: 1  
Desautels Faculty of Management: 1  
Faculty of Medicine: 3  
Faculty of Science: 2

**(B) OTHER - none**



# McGill

## New Program/Major or Minor/Concentration Proposal Form

(2013)

<p>1.0 Degree Title Please specify the two degrees for concurrent degree programs</p> <div style="border: 1px solid black; padding: 2px; width: 80%;">Graduate Diploma</div>	<p>2.0 Administering Faculty/Unit</p> <div style="border: 1px solid black; padding: 2px; width: 80%;">GPS</div>
<p>1.1 Major (Legacy= Subject)(30-char. max.)</p> <div style="border: 1px solid black; padding: 2px; width: 80%;">Surgical Innovation</div>	<p>Offering Faculty/Department</p> <div style="border: 1px solid black; padding: 2px; width: 80%;">Medicine/ Surgery</div>
<p>1.2 Concentration (Legacy = Concentration/Option) If applicable to Majors only (30 char. max.)</p> <div style="border: 1px solid black; height: 20px; width: 80%;"></div>	<p>3.0 Effective Term of Implementation (Ex. Sept. 2004 = 200409) Term</p> <div style="border: 1px solid black; padding: 2px; width: 60%;">201701</div>
<p>1.3 Minor (with Concentration, if Applicable) (30 char. max.)</p> <div style="border: 1px solid black; height: 20px; width: 80%;"></div>	

4.0 Rationale and Admission Requirements for New Proposal

See End

<p>5.0 Program Information Please check appropriate box(es)</p>		
<p>5.1 Program Type</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Bachelor's Program</li> <li><input type="checkbox"/> Master's</li> <li><input type="checkbox"/> M.Sc. (Applied) Program</li> <li><input type="checkbox"/> Dual Degree/Concurrent Program</li> <li><input type="checkbox"/> Certificate</li> <li><input type="checkbox"/> Diploma</li> <li><input type="checkbox"/> Graduate Certificate</li> <li><input checked="" type="checkbox"/> Graduate Diploma</li> <li><input type="checkbox"/> Ph.D. Program</li> <li><input type="checkbox"/> Doctorate Program (Other than Ph.D.)</li> <li><input type="checkbox"/> Private Program</li> <li><input type="checkbox"/> Off-Campus Program</li> <li><input type="checkbox"/> Distance Education Program (By Correspondence)</li> <li><input type="checkbox"/> Other (Please specify)</li> </ul>	<p>5.2 Category</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Faculty Program (FP)</li> <li><input type="checkbox"/> Major</li> <li><input type="checkbox"/> Joint Major</li> <li><input type="checkbox"/> Major Concentration (CON)</li> <li><input type="checkbox"/> Minor</li> <li><input type="checkbox"/> Minor Concentration (CON)</li> <li><input type="checkbox"/> Honours (HON)</li> <li><input type="checkbox"/> Joint Honours Component (HC)</li> <li><input type="checkbox"/> Internship/Co-op</li> <li><input type="checkbox"/> Thesis (T)</li> <li><input checked="" type="checkbox"/> Non-Thesis (N)</li> <li><input type="checkbox"/> Other</li> <li><input type="checkbox"/> Please specify</li> </ul> <div style="border: 1px solid black; height: 20px; width: 80%; margin-top: 5px;"></div>	<p>5.3 Level</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Undergraduate</li> <li><input type="checkbox"/> Dentistry/Law/Medicine</li> <li><input type="checkbox"/> Continuing Studies (Non-Credit)</li> <li><input type="checkbox"/> Collegial</li> <li><input checked="" type="checkbox"/> Masters &amp; Grad Dips &amp; Certs</li> <li><input type="checkbox"/> Doctorate</li> <li><input type="checkbox"/> Post-Graduate Medicine/Dentistry</li> <li><input type="checkbox"/> Graduate Qualifying</li> <li><input type="checkbox"/> Postdoctoral Fellows</li> </ul> <p>5.4 FQRSC (Research) Indicator (for GPS) Yes No</p>

6.0 Total Credits

30

7.0 Consultation with

Related Units	Yes	X	No
Financial Consult	Yes	X	No

Attach list of consultations. Did consult Real del Degan

## 8.0 Program Description (Maximum 150 words)

The cores of this 30 credit program are two-fold. Firstly two innovation courses offered by the McGill Department of Surgery, Experimental Surgery (EXSU 620-Surgical Innovation & 621-Surgical Innovation 2) and supporting courses that are delivered by McGill Department of Surgery and with some sessions in those courses provided by external partners Local Industry (Regulatory & IP), the John Molson School of Business (JMSB) (lean start-up), Concordia University (software design) and L'École de technologie supérieure (ETS) (prototyping). Secondly fundamental business and management courses are taken concurrently provided by Continuing Studies (McGill) and JMSB and reinforce the innovation project team experience. Students embark on a hospital-based needs finding process by observing all aspect of clinical activity in their focus themes. The trainees learn basic prototyping skills, start up organization and project management. This is supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This diploma then gives a business oriented training in the surgical innovation process.

## 9.0 List of proposed program for the New Program/Major or Minor/Concentration.

If new concentration (option) of existing Major/Minor (program), please attach a program layout (list of all courses) of existing Major/Minor.

Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight under the headings of: Required Courses, Complementary Courses, Elective Courses)

## Program Requirements (30 credits)

**Required courses (15 credits)**

EXSU 605	Biomedical Research Innovation	3
EXSU 606	Statistics for Surgical Research	3
EXSU 620	Surgical Innovation 1	3
EXSU 621	Surgical Innovation 2	3
CORG 556	Managing and Engaging Team Work	3

**Complementary courses (9 credits)**

CPL2 510	Communication and Networking Skills	3
CACC 520	Accounting for Management	3
CMR2 542	Marketing Principles and Applications	3





**OR**

9 credits of graduate level courses taken at Concordia University, chosen in consultation with the program director/advisor.


**Elective courses (6 credits)**

6 credits at the 500-level or higher, taken in consultation with the program director/advisor.

Some courses may be substituted with equivalents at the 500 level or higher if timetabling or background of the student requires it. E.g. prior qualification in accounting.

10.0 Approvals			
Routing Sequence	Name	Signature	Date
Department	Gerald M. Fried, MD		March 3, 2016
Curric/Acad Committee	Anie Philip, PhD		March 3, 1016
Faculty 1	DAVID RAGSDALE		March 22 2016
Faculty 2	BRIANE PANIS		March 22 2016
Faculty 3			
CGPS	<b>SCTP</b>	CGPS APPROVAL	May 9, 2016
SCTP	<b>APPROVED</b>		Apr. 7, 2016
APC			
Senate		APC approved	Sept 22, 2016

Submitted by		
Name	Jake Barralet	To be completed by ARR:
Phone	514-3983908	CIP Code
Email	jake.barralet@mcoill.ca	
Submission Date	Feb 26th 2016	

**RATIONALE:**

Graduate research training in surgery has traditionally been served by the Experimental Surgery Research Masters and PhD thesis programs. The skills required within the realm of surgical research can no longer only be met by the present curriculum in Experimental Surgery. A more tailored approach is in line with the particular research expertise and interest within the Department of Surgery and the candidates. 3 concentrations have been developed, Innovation, Education and Global Health. The core of teaching of the Innovation Concentration revolves around a needs finding and refinement process followed by brainstorming and prototype development. This is a highly surgically orientated process in which many residents are interested but are unable to commit to a graduate Masters Degree. **This Diploma provides a formal mechanism for participation in the Surgical Innovation with additional emphasis on the business and project management aspects of the innovation process. For surgery residents and applicants with an interest in the business and management aspects of Surgical Innovation this Diploma provides background and training on the process of team-based surgical device innovation and the management and business principles underlying it.** The Diploma is open to health care and research professionals, surgical

and medical residents, pharmacists, nurses, and those with a GPA in undergraduate degree of 3.0 or higher in the medical and allied sciences, or two or more years experience in the medical sector. The credits gained in this program may not automatically be transferred to another program prior to or after completion. Exceptions may apply in the case of a transfer prior to completion only in the case of extraordinary performance e.g, GPA 3.5 or higher in all courses and is at the discretion of the Graduate Studies Director. The Department of Surgery has not revised, reviewed or retired any programs as a result of this Graduate Diploma Proposal.