



(2019)

<p>1.0 Degree Title Please specify the two degrees for concurrent degree programs</p> <input type="text" value="M.Sc."/>	<p>2.0 Administering Faculty or GPS</p> <input type="text" value="Graduate and Postdoctoral Studies (GPS)"/>
<p>1.1 Major (Subject/Discipline) (30-char. max.)</p> <input type="text" value="Experimental Surgery"/>	<p>Offering Faculty & Department</p> <input type="text" value="Medicine and Health Sciences - Surgery"/>
<p>1.2 Concentration (Option) (30 char. max.)</p> <input type="text" value="Surgical Outcomes Research"/>	<p>3.0 Effective Term of Implementation (Ex. Sept. 2019 or 201909) Term</p> <input type="text" value="Sept. 2021"/>
<p>1.3 Complete Program Title (info from boxes 1.0+1.1+1.2+5.2)</p> <input type="text" value="M.Sc.; Experimental Surgery; Surgical Outcomes Research"/>	

4.0 Rationale and Admission Requirements for New Program/Concentration

McGill's Experimental Surgery M.Sc. Program currently offers concentrations in basic sciences (CORE Stream), Surgical Innovation, Surgical Education, and Global Surgery. These concentrations, however, do not fit the educational needs of students who are pursuing training and graduate projects in the field of surgical outcomes research (i.e. focused on the results or consequences of surgical and perioperative care interventions). The new concentration proposed aims to bridge this gap. An environmental scan of comparable graduate programs (attached) confirms that this new concentration will offer a unique program both in Canada, and internationally. Hence, we believe that this new concentration will not only provide distinct training but will also attract more (local and international) students to McGill's Experimental Surgery M.Sc. Program. Admission requirements: A CGPA above 3.2/4.0 in an undergraduate degree focused on sciences or medicine (B.Sc. or M.D.). Exceptionally, applicants holding other degrees will be considered on a case-by-case basis.

5.0 Program Information
Indicate an "x" as appropriate

5.1 Program Type	5.2 Category	5.3 Level
Bachelor's Program	Faculty Program (FP)	Undergraduate
<input checked="" type="checkbox"/> Master's	Major	Dentistry/Law/Medicine
M.Sc. (Applied) Program	Joint Major	Continuing Studies (Non-Credit)
Dual Degree/Concurrent Program	Major Concentration (CON)	Collegial
Certificate	Minor	<input checked="" type="checkbox"/> Masters & Grad Dips & Certs
Diploma	Minor Concentration (CON)	Doctorate
Graduate Certificate	Honours (HON)	Post-Graduate Medicine/Dentistry
Graduate Diploma	Joint Honours Component (HC)	Graduate Qualifying
Professional Development Cert	Internship/Co-op	
Ph.D. Program	<input checked="" type="checkbox"/> Thesis (T)	5.4 Requires Centrally-Funded Resources
Doctorate Program (Other than Ph.D.)	Non-Thesis (N)	Yes ___ No <input checked="" type="checkbox"/>
Self-Funded/Private Program	Other	
Off-Campus Program	Please specify	
Distance Education Program	<input type="text"/>	
Other (Please specify)		

<p>6.0 Total Credits or CEUs (if latter, indicate "CEUs" in box)</p> <input type="text" value="45"/>	<p>7.0 Consultation with Related Units <input checked="" type="checkbox"/> Yes No</p> <p>Financial Consult Yes <input checked="" type="checkbox"/> No</p> <p>Attach list of consultations.</p>
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8.0 Program Description (Maximum 150 words)

The M.Sc. in Experimental Surgery; Surgical Outcomes Research Program focuses on the science of measuring and improving the outcomes of surgical patients. Coursework addresses research methods, biostatistics, and strategies to measure and improve postoperative outcomes. The thesis component of the program must focus on a topic in the field of surgical outcomes research.

9.0 List of proposed new Program/Concentration

If new concentration (option) of existing program, a program layout (list of all courses) of existing program **must** be attached.

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

NEW PROGRAM**Master of Science (M.Sc.) Experimental Surgery: Surgical Outcomes Research (Thesis) (45 credits)****Required Courses** (33 credits)

EXSU 610 Surgical Outcomes Research Foundations (3 credits)

EXSU 690 M.Sc. Research 1 (4 credits)

EXSU 691 M.Sc. Research 2 (4 credits)

EXSU 692 M.Sc. Research 3 (4 credits)

EXSU 693 M.Sc. Thesis (18 credits)

Complementary Courses (12 credits)**3 credits from the following:**

EPIB 600 Clinical Epidemiology (3 credits)

EXMD 600 Principles of Clinical Research (3 credits)

3 credits from the following:

EPIB 507 Biostatistics for Health Sciences (3 credits)

EXMD 634 Quantitative Research Methods (3 credits)

6 credits from the following:

EPIB 521 Regression Analysis for Health Sciences (3 credits)

EPIB 629 Knowledge Synthesis (3 credits)

EXSU 500 Artificial Intelligence in Medicine (3 credits)


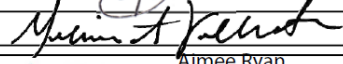

FMED 625 Qualitative Health Research (3 credits)

PPHS 527 Economics for Health Services Research and Policy (3 credits)

Or other relevant 500-, 600-, or 700-level courses upon approval of the student's Research Advisory Committee.

See attached for existing programs.

10.0 Approvals

Routing Sequence	Name	Signature	Meeting Date
Department	Fackson Mwale		2020-10-20
Curric/Acad Committee	Melissa Vollrath- Faculty Curriculum C'tee Chair		18 Aug. 2020
Faculty 1	Aimee Ryan- Associate Dean, FMHS	 Aimee Ryan 2020.11.23 11:31:03	20 Nov. 2020
Faculty 2		-05'00'	
Faculty 3			
CGPS			
SCTP			
APC			
Senate			

Submitted by

Name:

Phone:

Email:

Submission Date:

To be completed by ES:

CIP Code



Existing concentrations in McGill's M.Sc. Experimental Surgery Program:

Master of Science (M.Sc.) Experimental Surgery (Thesis) (45 credits)

Thesis Courses (30 credits)

EXSU 690 M.Sc. Research 1 (4 credits)

EXSU 691 M.Sc. Research 2 (4 credits)

EXSU 692 M.Sc. Research 3 (4 credits)

EXSU 693 M.Sc. Thesis (18 credits)

Required Courses (9 credits)

EXSU 601 Knowledge Management 1 (3 credits)

EXSU 602 Knowledge Management 2 (3 credits)

And:

3 credits from the following:

EDPE 575 Statistics for Practitioners (3 credits)

EPIB 507 Biostats for Health Sciences (3 credits)

EXSU 606 Statistics for Surgical Research (3 credits)

Complementary Courses (6 credits)

6 credits, taken from 500, 600, or 700 level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Supervisory Committee to take additional courses.

Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Innovation (45 credits)

Thesis Courses (30 credits)

EXSU 690 M.Sc. Research 1 (4 credits)

EXSU 691 M.Sc. Research 2 (4 credits)

EXSU 692 M.Sc. Research 3 (4 credits)

EXSU 693 M.Sc. Thesis (18 credits)

Required Courses (12 credits)

EXSU 619 The Hospital Environment (3 credits)

EXSU 620 Surgical Innovation 1 (3 credits)

EXSU 621 Surgical Innovation 2 (3 credits)

And:

3 credits from the following:

EDPE 575 Statistics for Practitioners (3 credits)

EPIB 507 Biostats for Health Sciences (3 credits)

EXSU 606 Statistics for Surgical Research (3 credits)

Complementary Courses (3 credits)

3 credits taken from 500-, 600-, or 700- level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Supervisory Committee to take additional courses.

Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Education (45 credits)

Thesis Courses (30 credits)

EXSU 690 M.Sc. Research 1 (4 credits)

EXSU 691 M.Sc. Research 2 (4 credits)

EXSU 692 M.Sc. Research 3 (4 credits)

EXSU 693 M.Sc. Thesis (18 credits)

Required Courses (6 credits)

EDPH 689 Teaching and Learning in Higher Education (3 credits)

EXSU 603 Skills Acquisition and Performance (3 credits)

Complementary Courses (9 credits)

3 credits from the following:

EDPE 575 Statistics for Practitioners (3 credits)

EDPE 637 Issues in Health Professions Education (3 credits)

EXSU 606 Statistics for Surgical Research (3 credits)

And:

6 credits, taken from 500-, 600-, or 700-level courses in consultation with the Research Advisory Committee. Depending on their individual backgrounds, students may be asked by their Research Advisory Committee to take additional courses.

Master of Science (M.Sc.) Experimental Surgery (Thesis): Global Surgery (45 credits)**Thesis Courses (30 credits)**

EXSU 690 M.Sc. Research 1 (4 credits)

EXSU 691 M.Sc. Research 2 (4 credits)

EXSU 692 M.Sc. Research 3 (4 credits)

EXSU 693 M.Sc. Thesis (18 credits)

Required Courses (12 credits)

EPIB 507 Biostats for Health Sciences (3 credits)

EPIB 521 Regression Analysis for Health Sciences (3 credits)

EXSU 601 Knowledge Management 1 (3 credits)

EXSU 602 Knowledge Management 2 (3 credits)

Complementary Courses (3 credits)

3 credits, taken from 500-, 600-, or 700-level courses in consultation with the Research Advisory Committee.

Depending on their individual backgrounds, students may be asked by their Research Advisory Committee to take additional courses.

Master of Science (M.Sc.) Experimental Surgery (Thesis): Digital Health Innovation (45 credits)**Required Courses (45 credits)**

EXSU 690 M.Sc. Research 1 (4 credits)

EXSU 691 M.Sc. Research 2 (4 credits)

EXSU 692 M.Sc. Research 3 (4 credits)

EXSU 693 M.Sc. Thesis (18 credits)

EXMD 601 Real World Applications of Data Science and Informatics (3 credits)

EXMD 634 Quantitative Research Methods (3 credits)

EXMD 642 Experimental Medicine Topic 3 (3 credits)

EXSU 500 Artificial Intelligence in Medicine (3 credits)

EXSU 620 Surgical Innovation 1 (3 credits)

M.Sc. in Experimental Surgery; Surgical Outcomes Research Program

The proposed initiative

A M.Sc. degree with concentration in Surgical Outcomes Research will be offered by McGill's Department of Experimental Surgery. The proposed concentration aims to offer students world-class training in surgical outcomes research (i.e. focused on the results or consequences of surgical and perioperative care interventions). Students in this concentration will complete coursework addressing research methods, biostatistics, and strategies to measure and improve postoperative outcomes. The thesis component of the concentration will consist of the supervised preparation of a M.Sc. thesis targeting a topic related to surgical outcomes research. The concentration aims to provide students with the knowledge and skills required to start a successful career as a surgical outcomes scientist or clinician-scientist. Through extensive research work, students will engage in the design, conduct, and critical appraisal of studies focused on measuring and improving the outcomes of surgical patients.

Rationale

Surgery is recognized as an essential component of healthcare as it cures and/or relieves the symptoms of many diseases and injuries. However, surgical procedures often represent an extensive trauma to the body with an immediate negative impact on patients' health and function. While most patients undergoing surgery recover back to 'normal' within a few weeks after the procedure, many patients suffer postoperative complications that delay their recovery, and some may never resume their baseline level of health. Extensive literature supports that surgical complications represent the most common adverse event in hospitalized patients and thus impose a major healthcare economic burden. With an estimated 312 million surgical procedures performed worldwide every year (approximately 2.5 million in Canada), the World Health Organization deems that improving the quality and safety of surgical care is a global public-health concern.

The increasing need for robust research aimed to assess and improve the outcomes of surgical patients has created a demand for scientists and clinician-scientists who are skilled in the design, conduct, and critical appraisal of surgical outcomes research. The creation of a M.Sc. concentration tailored to the training needs of future surgical outcomes researchers capitalizes on this emerging demand.

Comparison with programs at McGill and elsewhere

McGill's Experimental Surgery M.Sc. Program currently offers concentrations in basic sciences (CORE Stream), Surgical Innovation, Surgical Education, and Global Surgery. These concentrations, however, do not fit the educational needs of students who are pursuing training and graduate projects in the field of surgical outcomes research. The new proposed concentration aims to bridge this gap.

An internal environmental scan (attached) of programs currently offered by the McGill Departments of Experimental Surgery, Experimental Medicine, and Epidemiology confirms that our concentration is not subject to overlap or duplication. Therefore, the combination of courses in the new concentration provides a unique program to McGill, offering distinct knowledge and skills in the field of surgical outcomes research.

An external environmental scan (attached) of comparable M.Sc. programs in surgery supports that this new concentration will offer a unique program both in Canada, and internationally. Hence, we believe that this new concentration will not only provide distinct training but will also attract more (local and international) students to McGill's Experimental Surgery M.Sc. Program.

Clientele

The new concentration primarily targets students with a B.Sc. degree or M.D. degree who are interested in pursuing a research career focused on measuring and improving the outcomes of surgical patients. Exceptionally, applicants holding other degrees will be considered on a case-by-case basis.

Rationale for concentration content

The M.Sc. in Experimental Surgery; Surgical Outcomes Research Program will have a total of 45 credits (30 thesis credits + 15 coursework credits).

Required courses (33 credits): Students in the program will be required to complete thesis courses [EXSU 690 M.Sc. Research 1 (4 credits), EXSU 691 M.Sc. Research 2 (4 credits), EXSU 692 M.Sc. Research 3 (4 credits), EXSU 693 M.Sc. Thesis (18 credits)] as well as a new course focused on strategies to measure and improve outcomes after surgery [EXSU 610 Surgical Outcomes Research Foundations (3 credits)]. The content of the new course, unique to McGill, will cover traditional and modern approaches to measure surgical outcomes (i.e. clinician-reported, patient-reported, and performance-based outcome measures) and contemporary strategies to improve postoperative recovery (i.e. minimally invasive surgery, enhanced recovery pathways, and prehabilitation). This course was developed and will be taught by internationally renowned surgical outcomes researchers from McGill's Department of Surgery.

Complementary courses (12 credits): The field of surgical outcomes research requires strong knowledge and skills in study design, data analysis, and interpretation. Therefore, students in the program will have the opportunity to complete courses on research methods (3 credits from EPIB 600 or EXMD 600) and biostatistics (3 credits from EPIB 507 or EXMD 634). Through complementary courses, students will also be able to pursue specific knowledge that is relevant to their graduate projects and/or fits their personal interests. They will complete a total of 6 credits from the following 3-credit courses: regression analysis (EPIB 521), knowledge synthesis (EPIB 629), artificial intelligence (EXSU 500), qualitative research (FMED 625), and health economics (PPHS 527). Complementary course credits can also be obtained via other relevant 500-, 600-, or 700-level courses upon approval of the program director and the student's Research Advisory Committee.

Capacity of the Department

McGill's Department of Experimental Surgery runs one of the largest graduate programs in the Faculty of Medicine and is the academic home of many professors who lead internationally renowned labs focused on surgical outcomes research (Fiore, Feldman, Lee, Carli). The proposed new course 'Surgical Outcomes Research Foundations' provides an exciting opportunity for these professors to, in addition to their roles as graduate supervisors, share their knowledge and experiences in a formal teaching environment. The other courses offered in the new concentration are pre-existing but, despite having large student cohorts, have the capacity to expand seating and teaching (see attached list of consultations). Administrative support to the new M.Sc. concentration will be offered by admin staff from Department of Experimental Surgery who are based at the Montreal General Hospital.

Oversight

This concentration will be overseen by Dr. Julio Fiore Jr., who is a surgical outcomes scientist and Assistant Professor at McGill's Department of Surgery. Dr. Fiore leads a world-class research program focused on understanding the process of surgical recovery, optimizing perioperative care, and improving the postoperative outcomes of surgical patients. He has a robust portfolio of graduate supervision and teaching different courses across McGill's Faculty of Medicine. Dr. Fiore will oversee the coursework content ensuring that teaching materials fit the purpose of the concentration and are delivered appropriately. With the assistance from admin staff, he will be responsible for handling student enquiries as required.

Internal environmental scan (information obtained via McGill's website on May 08, 2020)

	PROGRAM NAME	UNIVERSITY	COUNTRY	THESIS/NON-THESIS (or both)	CONCENTRATIONS (or none listed)	Link (if available)
1	MSc in Experimental Surgery	McGill University	Canada	Thesis and Non-thesis	Core stream, Surgical Education, Surgical Innovation, Global Surgery, Non-thesis	https://www.mcgill.ca/experimentalsurgery/prospective-students/programs/master-programs
2	MSc in Experimental Medicine	McGill University	Canada	Thesis	Core stream, Bioethics, Environment, Regenerative Medicine, Clinical Research	https://www.mcgill.ca/expmed/graduate-studies/programs
3	MSc in Epidemiology	McGill University	Canada	Thesis and Non-Thesis	Core Stream, Pharmacoepidemiology, Environmental and Occupational Health	https://www.mcgill.ca/epi-biostat-occh/academic-programs/grad/epidemiology/requirements

External environmental scan (information obtained via google search conducted between April 22 and May 04, 2020)

	PROGRAM NAME	UNIVERSITY	COUNTRY	THESIS/NON-THESIS (or both)	CONCENTRATIONS (or none listed)	Link (if available)
1	MSc in Surgery	Western University	Canada	Thesis	None listed	https://www.schulich.uwo.ca/surgery/education/msc_in_surgery/current_students/course_information.html
2	MSc in Surgery	University of British Columbia	Canada	Thesis	None listed	https://med-fom-surgery.sites.olt.ubc.ca/files/2014/10/MScOct2014.pdf
3	MSc in Experimental Medicine	University of British Columbia	Canada	Thesis	None listed	https://www.grad.ubc.ca/prospective-students/graduate-degree-programs/master-of-science-experimental-medicine
4	Master of Global Surgical Care	University of British Columbia	Canada	Non-thesis	None listed	https://internationalsurgery.med.ubc.ca/education/graduate-programs/mgsc/
5	MSc in Surgery	University of Alberta	Canada	Thesis	Core stream, Surgical Education	https://calendar.ualberta.ca/preview_program.php?catoid=33&poiid=37167
6	MSc in Oral and Maxillofacial Surgery and Anesthesia	University of Toronto	Canada	Thesis and Non-thesis	None listed	https://www.dentistry.utoronto.ca/node/73

7	MSc in Surgery	University of Manitoba	Canada	Unclear	None listed	https://umanitoba.ca/faculties/graduate_studies/admissions/programs/surgery.html#MSc
8	MSc in Surgery	University of Illinois at Chicago	United States	Unclear	None listed	https://www.hotcoursesabroad.com/study/course/us-usa/master-of-science-surgery/57077826/program.html?nationCode=32&nationCntryCode=32&fromPage=PR&position=1
9	MSc in Surgery	University of Minnesota, Twin Cities Campus	United States	Thesis and Non-thesis	None Listed	https://apps.grad.umn.edu/programs/at_a_glance.aspx?p=1090800
10	MSc in Experimental Surgery	University of Minnesota, Twin Cities Campus	United States	Thesis	None listed	https://onestop2.umn.edu/pcas/viewCatalogProgram.do?programID=7227
11	PhD in Oral and Craniofacial Surgery	University of San Francisco	United States	Unclear	None Listed	https://dentistry.ucsf.edu/programs/oral-cranio-phd
12	Certificate of Advanced Graduate Study in Oral & Maxillofacial Surgery	Boston University	United States	Non-thesis	None Listed	https://www.bu.edu/academics/sdm/programs/oral-and-maxillofacial-surgery/cags/
13	MSc in Dentistry in Oral and Maxillofacial Surgery	Boston University	United States	Thesis	None Listed	https://www.bu.edu/dental/academics/departments/omfs/education/msd/
14	MSc in Surgical Assisting	Eastern Virginia Medical School	United States	Non-Thesis	None Listed	https://www.evms.edu/education/masters_programs/surgical_assisting/
15	Masters of Surgery (MSurg)	University of Buckingham	UK	Non-Thesis	None listed	https://www.buckingham.ac.uk/science/msurg
16	Advanced Minimally-Invasive Surgery MS	UCL	UK	Thesis	MIS	https://www.ucl.ac.uk/surgery/graduate-taught-study/advanced-minimally-invasive-surgery-ms
17	Burns, Plastic and Reconstructive Surgery MSc	UCL	UK	Thesis	Burns, Plastic and Reconstructive	https://www.ucl.ac.uk/surgery/courses/postgraduate/pg-taught/msc-burns

18	MSc in Surgical Science and Practice	Oxford	UK	Non-Thesis	None listed	https://www.nds.ox.ac.uk/study-with-us/graduate-studies-1/degrees-2/taught-msc-courses-1/msc-surgical-science-and-practice
19	MSc by Research in Surgical Sciences	Oxford	UK	Thesis	None listed	https://www.ox.ac.uk/admissions/graduate/courses/msc-research-surgical-sciences?wssl=1
20	MEd in Surgical Education	Imperial College London	UK	Non-Thesis	Education	http://www.imperial.ac.uk/study/pg/courses/2018/faculty-of-medicine/surgical-education/
21	MSc in Surgery	University of Sydney	Australia	Non-thesis	Cardiothoracic surgery, Colorectal, Hand surgery, Head and Neck, Neurosurgery, Otorhinolaryngology, Paediatric surgery, Plastic/Reconstructive Surgery, Surgical Oncology,	https://www.sydney.edu.au/handbooks/medicine_health_PG/coursework_sz/surgery.shtml
22	MSc in Surgery	University of Melbourne	Australia	Thesis	Can specialize in surgery, ophthalmology, otolaryngology, and paediatrics	https://study.unimelb.edu.au/find/courses/graduate/master-of-surgery/what-will-i-study/
23	MSc in Surgery	University of New South Wales	Australia	Thesis	None listed	http://legacy.handbook.unsw.edu.au/research/programs/2018/2861.html
24	MSc in Surgical Research	Deakin University	Australia	Unclear	None listed	https://www.deakin.edu.au/course/master-surgical-research
25	MSc in Surgery	Flinders University	Australia	Thesis	None listed	https://students.flinders.edu.au/my-course/course-rules/postgrad/master-research
26	MSc in Medicine/Surgery	University of Notre Dame	Australia	Thesis	None listed	https://www.notredame.edu.au/programs/sydney/school-of-medicine/postgraduate/master-of-medicine-surgery
27	MSc in Minimally Invasive Surgery	University of Adelaide	Australia	Unclear	None listed	https://www.adelaide.edu.au/degree-finder/mmis_mmininvsur.html#df-acc-degree_structure_parent
28	MSc in Surgery	Monash University	Australia	Thesis	None listed	https://handbook.monash.edu/current/courses/3443
29	MSc in Surgery	University of Western Australia	Australia	Thesis and Non-thesis	None listed	https://www.uwa.edu.au/study/courses/master-of-surgery#course-details

30	MSc in Surgery	Macquarie University	Australia	Non-thesis	None listed	http://handbook.mq.edu.au/2018/DegreesDiplomas/PGDegree/Master+of+Surgery
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Consultation: EPIB 600 Clinical Epidemiology

From: Nitika Pai, Dr <nitika.pai@mcgill.ca>
Sent: September 17, 2020 2:59 PM
To: Julio Flavio Fiore Junior, Dr <julio.fiorejunior@mcgill.ca>
Subject: Re: Question re EPIB 600

Hi Julio,

Hope you are well.

It's a pleasure to accommodate Exp Surgery students, residents and fellows, It is so important that they learn basics of Epi.

I have had a few surgeons in my class in the past 9 years that I have taught this course.

I will keep your students in mind. I also take in health care professionals, so they are not a complete no no. However, they need to send an email request.

Hope that helps!

Good luck with your program,

Best,

Nikki

"Imagination is more important than Knowledge. Knowledge is limited. Imagination encircles the world." – Albert Einstein.

Dr Nitika Pant Pai MD., MPH., PHD

Associate Professor.

Department Of Medicine.

Div Clinical Epidemiology & Infectious Diseases

McGill University. Montreal. Canada

From: "Julio Flavio Fiore Junior, Dr" <julio.fiorejunior@mcgill.ca>
Date: Wednesday, September 16, 2020 at 5:25 PM
To: Nikki Pant Pai <nitika.pai@mcgill.ca>
Subject: Question re EPIB 600

Hello Nitika,

I hope you are doing well.

My name is Julio Fiore, I'm an Assistant Professor in the Department of Surgery.

I'm currently organizing a new MSc in Experimental Surgery with concentration in 'Surgical Outcomes Research'. I intend to have a strong 3-credit course on research methods as a requirement for this program. Seeing the outline of your course, it seems to be a perfect fit!

I was wondering if it would be possible for EPIB 600 to accommodate some of my students starting from 2021?

As these students will also have the option of attending EXMD 642 for research methods, I anticipate that around 2-3 students from my program will enrol in EPIB 600 every year. If enrolment increases, we can definitely reassess seating capacity and discuss alternatives.

I understand that your course is primarily offered to residents and fellows, so I'll try to keep this focus by sending you the residents who will be enrolled in our program.

Thanks for your consideration and I'm looking forward to hearing from you.

Cheers,

Julio

Dr. Julio F. Fiore Jr.
Assistant Professor
Department of Surgery
McGill University

Montreal General Hospital
1650 Av Cedar, R2-104
Montreal, QC Canada
H3G 1A4



McGill University is on the traditional territory of the Haudenosaunee and Anishinabeg nations, a place which has long served as a site of meeting and exchange amongst nations.

Consultation: EXMD 600 Principles of Clinical Research

CONSULTATION REPORT FORM

RE PROGRAM PROPOSALS

DATE: 2020-12-01

TO: Dr. Julio F Fiore Jr.

FROM: Dr. Robyn Tamblyn

The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.

Program Title: M.Sc.; Experimental Surgery; Surgical Outcomes Research

Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program's list of courses.

_____ **X** _____

NO OBJECTIONS

SOME OBJECTIONS

COMMENTS:

The new course number for EXMD 642 (Topic 3-Principles of Clinical Epidemiology) is EXMD 600.

This course will be able to accommodate students from the program M.Sc.; Experimental Surgery; Surgical Outcomes Research.



Signature: _____

Date: 2020-12-01

Consultation: EPIB 507 Biostats for Health Sciences, EPIB 521 Regression Analysis for Health Sciences, EPIB 629 Knowledge Synthesis, PPHS 527 Economics for Health Services Research and Policy

From: André Yves Gagnon <andre.yves.gagnon@mcgill.ca>

Sent: June 17, 2020 1:55 PM

To: Julio Flavio Fiore Junior, Dr <julio.fiorejunior@mcgill.ca>

Cc: Gilles Paradis, Dr. <gilles.paradis@mcgill.ca>; Jay Kaufman, Dr. <jay.kaufman@mcgill.ca>

Subject: RE: Enquiry regarding EPIB courses

Dear Dr. Fiore,

I am writing on behalf of Dr. Paradis, Chair of EBOH and our Graduate Program Director, Dr. Jay Kaufman.

Our department has no objections to the inclusion of the courses listed below in the new M.Sc. Thesis in Experimental Surgery; Surgical Outcomes Research Program. You should note that there are a limited number of spots available in the EPIB 629, EPIB 635 and PPHS 527 courses and priority is given to our students.

Required Courses:

EPIB 507 Biostats for Health Sciences

Complementary Courses:

EPIB 521 Regression Analysis for Health Sciences

EPIB 629 Knowledge Synthesis

EPIB 635 Clinical Trials

PPHS 527 Economics for Health Services Research and Policy

Please do not hesitate to contact me should you require additional information.

Best regards,

André Yves Gagnon

Student Affairs Officer

Epidemiology, Biostatistics & Occupational Health

McGill School of Population and Global Health

Purvis Hall, 1020 Pine Avenue W, Room 21, Montreal, QC H3A 1A2

514-398-1812 | gradadmin.eboh@mcgill.ca

As a result of restrictions related to the COVID-19 pandemic, kindly note that I am working remotely until further notice.

My working hours are Monday to Friday, 9 AM to 5 PM.

Consultation: EXMD 634 Quantitative Research Methods

From: Julio Flavio Fiore Junior, Dr

Sent: June 17, 2020 4:29 PM

To: Nandini Dendukuri <nandini.dendukuri@mcgill.ca>; Anne-Marie Lauzon, Dr. <anne.lauzon@mcgill.ca>

Subject: RE: Enquiry regarding EXMD 634

Hello Nandini and Anne-Marie,

I really appreciate your willingness to accommodate students from the new program in your course EXMD 634.

I anticipate the enrolment of 2-3 students every year. If enrolment increases, we can certainly reassess seating capacity and discuss alternatives.

Regards,

Julio

Dr. Julio F. Fiore Jr.
Assistant Professor
Department of Surgery
McGill University

Montreal General Hospital
1650 Av Cedar, R2-104
Montreal, QC Canada
H3G 1A4



McGill University is on the traditional territory of the Haudenosaunee and Anishinabeg nations, a place which has long served as a site of meeting and exchange amongst nations.

From: Nandini Dendukuri <nandini.dendukuri@mcgill.ca>

Sent: June 16, 2020 4:20 PM

To: Anne-Marie Lauzon, Dr. <anne.lauzon@mcgill.ca>; Julio Flavio Fiore Junior, Dr <julio.fiorejunior@mcgill.ca>

Subject: RE: Enquiry regarding EXMD 634

Hi Anne-Marie and Julio,

I agree with your characterization of the issues by Anne-Marie. If Julio anticipates 2-3 students per year, we should be able to accommodate them in the current format.

I sense there is a demand for this course and with time we may wish to organize it multiple times in the year. The possibility of using online material could also help with the organizational challenges. By using a mixture of recorded lecture sessions and 1-1 tutorial sessions with a professor or TA, we may be able to cut costs. If so, we may be able to add more advanced courses, e.g. a regression course.

I am curious what happened as a result of the exercise last year where we found there were several of these statistics courses. I agree we should avoid duplication and instead use the resources we have to offer a greater diversity of courses.

Best wishes,

Nandini

Consultation: FMED 625 Qualitative Health Research

From: Julio Flavio Fiore Junior, Dr

Sent: June 22, 2020 10:33 AM

To: Isabelle Vedel, Dr. <isabelle.vedel@mcgill.ca>; Alayne Mary Adams, Dr <alayne.adams@mcgill.ca>; Peter Nugus <peter.nugus@mcgill.ca>

Subject: RE: Enquiry regarding FMED 625

Dear Alayne and Isabelle,

I really appreciate your responses - and encouraging words in support of our new program.

Alayne, the required course being offered in our program is actually on 'quantitative research methods'. This course is highly focused on statistics. There may be a typo in the program description (sorry!), I'll verify.

Isabelle, your course FMED 614 'Foundation of Mixed Methods Research' sounds like a great option for our students. I'll highly encourage those working with mixed methods to consult you regarding enrolment. This course will be a perfect fit for the 2 complementary credits requested in our program. I'll also verify the other courses offered by FMED, thank you!

I anticipate that about 1-2 students from our program will enrol in FMED 625 each year. If enrolment increases, we can certainly reassess your seating capacity and discuss alternatives. The online version of this course will be a great option for sure.

Thank you for your support and willingness to accommodate our students.

Please let me know if you have any further questions.

Have a great week.

Julio

Dr. Julio F. Fiore Jr.
Assistant Professor

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From: Isabelle Vedel, Dr. <isabelle.vedel@mcgill.ca>

Sent: June 21, 2020 7:21 PM

To: Alayne Mary Adams, Dr <alayne.adams@mcgill.ca>; Julio Flavio Fiore Junior, Dr <julio.fiorejunior@mcgill.ca>; Peter Nugus <peter.nugus@mcgill.ca>

Subject: RE: Enquiry regarding FMED 625

Dear all,

Congrats on your new MSc ! I hope we will have nurturing exchange for our students. Qualitative research and mixed methods are becoming increasingly important in health research.

In theory, we are happy to welcome students from other departments, as it is a good experience for students to have colleagues with different backgrounds. FMED 625 already usually welcomes students from dentistry, nursing, psychiatry etc.

I think your plan is perfect Alayne.

If we are talking about 1-2 students a year, we can accommodate. If we see that the demand increases, we will need to reassess, in particular to discuss about TAships.

We have other course that might be of interest for your MSc: FMED 614 Foundation of mixed methods research (<https://www.mcgill.ca/study/2018-2019/courses/fmed-614>) that can be helpful for students who want to mix quantitative and qualitative methods. We also have more advanced courses in qualitative methods if need be. We also have course on participatory research.

Let me know if I can help with this process.

Take care and stay safe

Isabelle Vedel, MD-MPH, PhD
Associate Professor – Professeure agrégée
Department of Family Medicine
McGill University
Graduate Program Director (MSc)
Associate Director, McGill Observatory on Health and Social Services Reforms
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e-mail: isabelle.vedel@mcgill.ca
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From: Alayne Mary Adams, Dr

Sent: Sunday, June 21, 2020 11:51 AM

To: Julio Flavio Fiore Junior, Dr <julio.fiorejunior@mcgill.ca>; Peter Nugus <peter.nugus@mcgill.ca>; Isabelle Vedel, Dr. <isabelle.vedel@mcgill.ca>

Subject: Re: Enquiry regarding FMED 625

Dear Julio

Apologies for the later reply. First of all congrats in getting the new program up and running. No small feat at McGill!

I see in the syllabus that a required course on qualitative research methods is being offered within your programme already, and that FMED 625 is being proposed as a complementary course. I worry that they might be considerable overlap, as methods are also a component of our syllabus. Perhaps you can put me in touch with the instructor so that the additional utility of FMED 625 can be assessed.?

That being said, in theory, we would be pleased to accommodate your students in the course (there have been several other requests for seats outside our department). Prior to confirming, we would need to establish how many students we are talking about, and how many we can expect from our own programme. I have only 1 TA and expect that remote delivery will be time intensive in terms of preparation and assessment.

Also, we will be developing an online version of the course (focused on methods) this year, which may be a great option for your students moving forward.

I am putting Isabelle Vedel in the loop as she is the Director of our Master's programme and hope she can provide additional insight.

Cheers,

Alayne

Alayne M. Adams, PhD

Associate Professor & Population Health Director

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Tel: (514) 399-9002 | email: alayne.adams@mcgill.ca

From: Julio Flavio Fiore Junior, Dr <julio.fiorejunior@mcgill.ca>

Sent: Wednesday, June 17, 2020 4:18 PM

To: Alayne Mary Adams, Dr <alayne.adams@mcgill.ca>; Peter Nugus <peter.nugus@mcgill.ca>

Subject: Enquiry regarding FMED 625

Dear Alayne and Peter,

I hope you are doing well.

My name is Julio Fiore, I'm an Assistant Professor in the Department of Surgery.

I'm currently organizing a new MSc in Experimental Surgery with concentration in 'Surgical Outcomes Research' (effective term Jan 2021, draft proposal attached).

Given that some of my students may be conducting qualitative research projects, I'm planning to include a 3-credit (complementary) course on qualitative research in the program.

FMED 625 seems to be a perfect fit! Therefore, I wonder if it would be possible for your course to accommodate some of my students starting from 2021?

As this will be a complementary course, I anticipate that around 1-2 students from my program will enrol in FMED 625 every year.

If enrolment increases, we can certainly reassess your seating capacity and discuss alternatives.

Looking forward to hearing from you.

Regards,

Julio

PS: This consultation will be part of my proposal to be analyzed by the Faculty of Medicine and McGill.

Dr. Julio F. Fiore Jr.

Assistant Professor

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Consultation: EXSU 500 Artificial Intelligence in Medicine

From: Jake E. Barralet, Dr. <jake.barralet@mcgill.ca>
Sent: June 24, 2020 9:49 AM
To: Julio Flavio Fiore Junior, Dr <julio.fiorejunior@mcgill.ca>
Cc: Thomas Fevens <fevens@cs.concordia.ca>
Subject: Re: Enquiry regarding EXSU 500

I think that is no problem Julio,

Good luck with your new concentration'

On Jun 22, 2020, at 11:46 AM, Julio Flavio Fiore Junior, Dr <julio.fiorejunior@mcgill.ca> wrote:

Hello Jake and Thomas,

I hope you are doing well.

I'm writing to enquire about your course, EXSU 500 Artificial Intelligence in Medicine:

I'm currently organizing a new MSc in Experimental Surgery with concentration in 'Surgical Outcomes Research' (effective term Jan 2021; proposal attached).

I wonder if it would be possible for your course to accommodate some of my students starting from 2021?

As this will be a complementary course, I anticipate that around 1-2 students from my program will enrol in EXSU 500 every year.

If enrolment increases, we can certainly reassess your seating capacity and discuss alternatives.

Looking forward to hearing from you.

Regards,

Julio

PS: This consultation will be part of my proposal to be analyzed by the Faculty of Medicine and McGill.

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