



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> <p>1.1 Major (Legacy = Subject) (30-char. max.)</p> <p>1.2 Concentration (Legacy = Concentration/Option) If applicable to Majors only (30 char. max)</p> <p>1.3 Minor (with Concentration, if Applicable) (30char. max)</p>	<p>2.0 Administering Faculty/Unit</p> <p>Offering Faculty/Department</p> <p>3.0 Effective Term of Implementation (Ex. Sept. 2004 = 200409) Term</p>
<p>Ph.D.</p> <p>Epidemiology</p> <p>Pharmacoepidemiology</p> <p></p>	<p>Graduate and Postdoctoral Studies</p> <p>Medicine / Epidemiology, Biostatistics & Occ. Health</p> <p>201609</p>

4.0 Rationale and Admission Requirements for New Proposal

Pharmacoepidemiology (PE) is the application of epidemiologic methods to study the long-term benefits and harms of pharmacological products at the population level. McGill has a long-history of research and teaching in PE going back to the 1980's and its faculty members comprise world-leaders in this domain. The Department already offers four two-credit graduate courses in PE and has graduated MSc and PhD students who conducted their thesis dissertation on a PE topic. The courses are offered during the summer session and attract about 15-20 students per year. In 2014, the University received a gift for an endowment to create the Albert Boehringer 1st Chair in Pharmacology from Boehringer Ingelheim Canada. The Department is currently conducting an international search for a candidate for this Chair. The creation of the Chair and our expertise and experience in PE offer the opportunity to develop a new concentration in PE for our PhD in epidemiology program. The concentration will be unique in Canada and one of few worldwide and will attract top graduate students for training. The goal of the program will be to train independent investigators to conduct research as principal investigators in PE. Graduates will pursue careers in academia, the public policy sector, in health services systems as well as in the pharmaceutical industry and regulatory organizations. As with all PhD programs in our department, the course load is significant mainly because there are no undergraduate programs in Epidemiology. The course load for this option is only slightly heavier than that for the general PhD program in the department. No additional admission requirements are needed.

5.0 Program Information

Please check appropriate box(es)

<p>5.1 Program Type</p> <p><input type="checkbox"/> Bachelor's Program</p> <p><input type="checkbox"/> Master's</p> <p><input type="checkbox"/> M.Sc. (Applied) Program</p> <p><input type="checkbox"/> Dual Degree/Concurrent Program</p> <p><input type="checkbox"/> Certificate</p> <p><input type="checkbox"/> Diploma</p> <p><input type="checkbox"/> Graduate Certificate</p> <p><input type="checkbox"/> Graduate Diploma</p> <p><input checked="" type="checkbox"/> Ph.D. Program</p> <p><input type="checkbox"/> Doctorate Program (Other than Ph.D.)</p> <p><input type="checkbox"/> Private Program</p> <p><input type="checkbox"/> Off-Campus Program</p> <p><input type="checkbox"/> Distance Education Program (By Correspondence)</p> <p><input type="checkbox"/> Other: Please specify</p> <p></p>	<p>5.2 Category</p> <p><input type="checkbox"/> Faculty Program (FP)</p> <p><input type="checkbox"/> Major</p> <p><input type="checkbox"/> Joint Major</p> <p><input type="checkbox"/> Major Concentration (CON)</p> <p><input type="checkbox"/> Minor</p> <p><input type="checkbox"/> Minor Concentration (CON)</p> <p><input type="checkbox"/> Honours (HON)</p> <p><input type="checkbox"/> Joint Honours Component (HC)</p> <p><input type="checkbox"/> Internship/Co-op</p> <p><input checked="" type="checkbox"/> Thesis (T)</p> <p><input type="checkbox"/> Non-Thesis (N)</p> <p><input type="checkbox"/> Other: Please specify</p> <p></p>	<p>5.3 Level</p> <p><input type="checkbox"/> Undergraduate</p> <p><input type="checkbox"/> Dentistry/Law/Medicine</p> <p><input type="checkbox"/> Continuing Studies (Non-Credits)</p> <p><input type="checkbox"/> Masters & Grad Dip & Certs</p> <p><input checked="" type="checkbox"/> Doctorate</p> <p><input type="checkbox"/> Post-Graduate Medicine/ Dentistry</p> <p><input type="checkbox"/> Graduate Qualifying</p> <p><input type="checkbox"/> Postdoctoral Fellows</p>	<p>5.4 FQRSC (Research) Indicator (For GPS)</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
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6.0 Total Credits

0

7.0 Consultation with

Related Units Yes NoFinancial Consult Yes No

Attach list of consultations.

8.0 Program Description (Maximum 150 words)

The Ph.D. in Pharmacoepidemiology Option (PEO) provides in-depth training for graduate students on pharmacoepidemiologic methods and the application of these methods to study the population effects (benefits and harm) of pharmaceutical products. Students will acquire the skills to become independent investigators and conduct original research in Pharmacoepidemiology. Career opportunities for graduates are multiple and include work in industry, government or academic. Students will be required to participate in the Pharmacoepidemiology Journal Club. Research topics must be related to pharmacoepidemiology and approved by the PEO coordinating committee.

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 courses) of existing Major/Minor.

Proposed program (list course as follow: Subj Code/Crse Num, Title, Credit weight, under the heading of: Required Courses, Complementary Courses, and Elective Courses).

Existing Program

Ph.D. in Epidemiology

Students admitted to the Ph.D. degree program with the equivalent of the M.Sc. in Epidemiology at McGill will be required to take a minimum of 27 credits of Ph.D. courses.

In addition to the Ph.D. requirements, students admitted to the Ph.D. degree program without the equivalent of a M.Sc. in Epidemiology at McGill will, in their first year, have to complete required coursework equivalent to the Master's Epidemiology program, as determined by the Department.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (15 credits)

- EPIB 604 Epidemiologic Analysis (3 credits)
- EPIB 608 Advanced Epidemiology (3 credits)
- EPIB 609 Seminar on Advanced Methods in Epidemiology (3 credits)
- EPIB 610 Advanced Methods: Causal Inference (3 credits)
- EPIB 623 Research Design in Health Sciences (3 credits)
- EPIB 701 Ph.D. Comprehensive Examination
- EPIB 702 Ph.D. Proposal

Complementary Courses (12 credits)

12 credits of coursework, at the 500 level or higher, with a minimum of 3 credits in ethics (medical/public health/research), 3 credits in biostatistics, 3 credits in a substantive topic (normally related to the thesis topic), and 3 credits in epidemiology. Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.

Proposed Program

Ph.D. in Epidemiology – Pharmacoepidemiology (option)

Students admitted to the Ph.D. in Epidemiology; Pharmacoepidemiology degree program with the equivalent of the M.Sc. in Epidemiology at McGill will be required to take a minimum of 32 credits of Ph.D. courses.

In addition to the Ph.D. requirements, students admitted to the Ph.D. in Epidemiology; Pharmacoepidemiology degree program without the equivalent of a M.Sc. in Epidemiology at McGill will, in their first year, have to complete required coursework equivalent to the Master's Epidemiology program, as determined by the Department.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

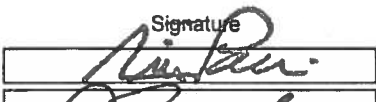

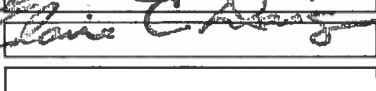
Required Courses (26 credits)

- EPIB 604 Epidemiologic Analysis (3 credits)
- EPIB 608 Advanced Epidemiology (3 credits)
- EPIB 609 Seminar on Advanced Methods in Epidemiology (3 credits)
- EPIB 610 Advanced Methods: Causal Inference (3 credits)
- EPIB 623 Research Design in Health Sciences (3 credits)
- **EPIB 631 Pharmacoepidemiology 2 (2 credits)**
- **EPIB 639 Pharmacoepidemiologic Methods (4 credits)**
- **EPIB 654 Pharmacoepidemiology 4 (2 credits)**
- **EPIB 661 Pharmacoepidemiology 3 (2 credits)**
- **EPIB 662 Pharmacological Basis of Pharmacoepidemiology (1 credit)**
- EPIB 701 Ph.D. Comprehensive Examination
- EPIB 702 Ph.D. Proposal

Complementary Courses (6 credits)

6 credits of coursework, at the 500 level or higher, with a minimum of 3 credits in ethics (medical/public health/research), 3 credits in biostatistics. Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.

PhD EPI Pharmacoepidemiology

10.0 Approvals			
Routing Sequence	Name	Signature	Date
Department	Gilles Paradis, Chair		16 MAR/15
Curric/Acad Committee	DAVID RAGSDALE, BCC		30/10/15
Faculty 1	Elaine Jarvis, FdM		10/30/15
Faculty 2			
Faculty 3			
CGPS		CGPS APPROVAL	MAR. 14, 2016
SCTP			
APC			
Senate			

Submitted by		To be completed by ARR:	
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Submission Date			