



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

(2013)

|                                                                                                                                                            |                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <p>1.0 Degree Title<br/>Please specify the two degrees for concurrent degree programs</p> <input type="text" value="M.Sc."/>                               | <p>2.0 Administering Faculty/Unit</p> <input type="text" value="Graduate and Postdoctoral Studies"/>                     |
| <p>1.1 Major (Legacy = Subject) (30-char. max.)</p> <input type="text" value="Epidemiology"/>                                                              | <p>Offering Faculty/Department</p> <input type="text" value="Medicine / Epidemiology, Biostatistics &amp; Occ. Health"/> |
| <p>1.2 Concentration (Legacy = Concentration/Option)<br/>If applicable to Majors only (30 char. max)</p> <input type="text" value="Pharmacoepidemiology"/> | <p>3.0 Effective Term of Implementation<br/>(Ex. Sept. 2004 = 200409)<br/>Term</p> <input type="text" value="201609"/>   |
| <p>1.3 Minor (with Concentration, if Applicable) (30char. max)</p> <input type="text"/>                                                                    |                                                                                                                          |

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. In 2014, the University received a gift for an endowment to create the Albert Boehringer 1st Chair in Pharmacology from Boehringer Ingelheim Canada. The creation of the Chair and our expertise and experience in PE offer the opportunity to develop a new option in PE for our Masters of Science in epidemiology program. The goal of the MSc option is to produce excellent analysts who can apply protocols, data collection plans and conduct data analyses related to PE under the supervision of senior investigators. The option will be unique in Canada and one of few worldwide and will attract top graduate students for training. Graduates will pursue careers as research assistants, data analysts in the public policy sector, in health services systems as well as in the pharmaceutical industry and regulatory organizations. No additional admission requirements are needed.

5.0 Program Information  
Please check appropriate box(es)

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| <p>5.1 Program Type</p> <p><input type="checkbox"/> Bachelor's Program</p> <p><input checked="" 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 type="checkbox"/> Ph.D. Program</p> <p><input type="checkbox"/> Doctorate Program<br/>(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<br/>(By Correspondence)</p> <p><input type="checkbox"/> Other:<br/>Please specify</p> <input type="text"/> | <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 type="checkbox"/> Thesis (T)</p> <p><input checked="" type="checkbox"/> Non-Thesis (N)</p> <p><input type="checkbox"/> Other:<br/>Please specify</p> <input type="text"/> | <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<br/>(Non-Credits)</p> <p><input checked="" type="checkbox"/> Masters &amp; Grad Dip &amp; Certs</p> <p><input type="checkbox"/> Doctorate</p> <p><input type="checkbox"/> Post-Graduate Medicine/<br/>Dentistry</p> <p><input type="checkbox"/> Graduate Qualifying</p> <p><input type="checkbox"/> Postdoctoral Fellows</p> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>5.4 FQRSC (Research) Indicator<br/>(For GPS)</p> <p><input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>                                                                                                                                                                                                                                                                                                                                                               |

6.0 Total Credits

7.0 Consultation with

Related Units       Yes       No

Financial Consult       Yes       No

Attach list of consultations.

## 8.0 Program Description (Maximum 150 words)

The M.Sc. (NT) Epidemiology, 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 develop knowledge and capacity to critically evaluate pharmacoepidemiologic studies, learn how to apply specific methods and understand how to apply research results for knowledge translation or policy purpose. Career opportunities for graduates are multiple and include work in industry, government or academia. 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**

M.Sc. Epidemiology (Thesis) (48 credits)

**Thesis Course** (24 credits)

- EPIB 690 M.Sc. Thesis (24 credits)

**Required Courses** (22 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

- EPIB 601 Fundamentals of Epidemiology (4 credits)
- EPIB 603 Intermediate Epidemiology (4 credits)
- EPIB 605 Critical Appraisal in Epidemiology (1 credit)
- EPIB 607 Inferential Statistics (4 credits)
- EPIB 613 Introduction to Statistical Software (1 credit)
- EPIB 614 Basics of Measurement in Epidemiology (1 credit)
- EPIB 621 Data Analysis in Health Sciences (4 credits)
- PPHS 602 Foundations of Population Health (3 credits)

**Complementary Course** (2 credits)

2 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

**Proposed Program**

M.Sc. Epidemiology (Non-Thesis) – Pharmacoepidemiology (Option)(48 credits)

**Research (12 credits)**

- **EPIB 691 Research Project in Epidemiology (12 credits)**

**Required Courses (25 credits)**

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

- EPIB 601 Fundamentals of Epidemiology (4 credits)
- EPIB 603 Intermediate Epidemiology (4 credits)
- EPIB 605 Critical Appraisal in Epidemiology (1 credit)
- EPIB 607 Inferential Statistics (4 credits)
- EPIB 613 Introduction to Statistical Software (1 credit)
- EPIB 614 Basics of Measurement in Epidemiology (1 credit)
- EPIB 621 Data Analysis in Health Sciences (4 credits)
- **EPIB 631 Pharmacoepidemiology 2 (2 credits)**
- **EPIB 662 Pharmacological Basis of Pharmacoepidemiology (1 credit)**
- PPHS 602 Foundations of Population Health (3 credits)

**Complementary Course (11 credits)**

11 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

Courses must be approved by the program's academic adviser.

MSc ~~Epi~~ Pharmacoepidemiology

| 10.0 Approvals        |                       |                       |               |
|-----------------------|-----------------------|-----------------------|---------------|
| Routing Sequence      | Name                  | Signature             | Date          |
| Department            | Gilles Paradis, Chair | <i>Gilles Paradis</i> | 16 MAR / 15   |
| Curric/Acad Committee | DAVID RAGSTALE, BCC   | <i>David Ragstale</i> | 30/10/15      |
| Faculty 1             | Elaine Davis, FOM     | <i>Elaine Davis</i>   | 10/3/15       |
| Faculty 2             |                       |                       |               |
| Faculty 3             |                       |                       |               |
| CGPS                  |                       | CGPS APPROVAL         | MAR. 14, 2016 |
| SCTP                  |                       |                       |               |
| APC                   |                       |                       |               |
| Senate                |                       |                       |               |

  

|                 |                          |                         |
|-----------------|--------------------------|-------------------------|
| Submitted by    |                          | To be completed by ARR: |
| Name            | André Yves Gagnon        |                         |
| Phone           | 1812                     | CIP Code                |
| Email           | gradadmin.eboh@mcgill.ca |                         |
| Submission Date |                          |                         |