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| <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="Non-Thesis - Environmental &amp; Occ. Health"/> | <p>3.0 Effective Term of Implementation<br/>(Ex. Sept. 2004 = 200409)<br/>Term</p> <input type="text" value="201809"/>   |
| <p>1.3 Minor (with Concentration, if Applicable) (30char. max)</p> <input type="text"/>  |  |

4.0 Rationale and Admission Requirements for New Proposal

See next page.

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 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<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 type="checkbox"/> Yes      <input type="checkbox"/> No</p>   |
|   |  | <p>5.5 Requires Resource</p> <p><input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p>   |

6.0 Total Credits

7.0 Consultation with

Related Units       Yes       No

Financial Consult       Yes       No

Attach list of consultations.

## 4.0 Rationale and Admission Requirements for New Proposal

The study of Environmental and Occupational Health (EOH) is by definition transdisciplinary, which is an amalgam of various methodological and substantive aspects of health and medical sciences (including toxicology, pathology, physiology, medicine), biostatistics, measurement (in the broadest sense, including inter alia biophysical measurements and questionnaire design), policy, and risk assessment. McGill has a long history of teaching and research in occupational health, with MSc and PhD programs. Environmental health is simply an extension of occupational health to a broader context in which exposures that affect health are from the general environment (e.g., water, soil, air), and in a certain sense occupational health should be considered a sub-discipline. The Department offers 3 courses in environmental health as well as a professional MSc program in occupational health. We now have four full time faculty working in environmental health and a formal program is required. The goal of this program in EOH is to train students to appreciate the environmental problems facing humans and how they can affect human health and more specifically to be able to be part of research projects in environmental health (e.g., as coordinators, data analysts) or work for public health departments, NGOs, and the like.

Students admitted to the M.Sc. in Epidemiology; Non-Thesis Environmental and Occupational Health option must fulfill the same undergraduate (or graduate) training requirements as exists for the current M.Sc. program in Epidemiology. They will be required to take a minimum of 48 credits of M.Sc. courses.

## 8.0 Program Description (Maximum 150 words)

The M.Sc. in Epidemiology; Non-Thesis - Environmental & Occupational Health program provides in-depth training for graduate students in the methods used in Environmental & Occupational Health (EOH) and the application of these methods to study the effects of environmental and occupational exposures on human health. Students will be provided with tools to critically evaluate studies in EOH, as well as to be able to participate in these studies, learn how to apply specific methods to environmental and occupational problems, and understand how to apply the results of research to public health or policy. Career opportunities exist in academia, industry, and the public health sectors. Each student will be assigned a supervisor to provide guidance for their project. Research topics must be related to Environmental & Occupational Health and approved by the program 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).

**Proposed Program**

M.Sc. in Epidemiology: Non-Thesis – Environmental & Occupational Health (48 credits)

**Research** (12 credits)

EPIB 691 Research Project in Epidemiology (12 credits)

**Required Courses** (30 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 621 Data Analysis in Health Sciences (4 credits)

EPIB 684 Principles of Environmental Health Sciences 1 (3 credits)

EPIB 685 Principles of Environmental Health Sciences 2 (3 credits)

EPIB 686 Environmental Health Seminar (3 credits)

PPHS 602 Foundations of Population Health (3 credits)

**Complementary Course** (6 credits)

6 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor. Complementary courses are meant to further the student's general knowledge in environment, environmental health, methodologies, and related aspects to a student's project.

**Existing Program**

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

**Thesis Course** (24 credits)

EPIB 690 M.Sc. Thesis (24 credits)

**Required Courses** (21 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 621 Data Analysis in Health Sciences (4 credits)

PPHS 602 Foundations of Population Health (3 credits)

**Complementary Course** (3 credits)

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

10.0 Approvals

Routing Sequence

Department

Name

Signature

Date

Gilles Paradis, Chair



29 Sept 2017

Curric/Acad Committee

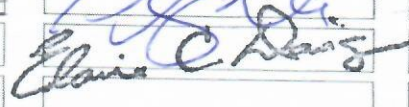
DAVID RAGSDALE



Oct 11 2017

Faculty 1

ELAINE DAVIS



Oct 11 2017

Faculty 2

Faculty 3

CGPS

SCTP

APC

Senate

Submitted By

Name

André-Yves Gagnon

To be completed by ARR:

Phone

1812

CIP Code

Email

gradadmin.eboh@mcgill.ca

Submission Date

29 SEPT. 2017