CGPS.12.45 - revised

McGill

New Program/Major or Minor/Concentration Proposal Form

(07/2004)

1.0 Degree Title
Please specify the two degrees for concurrent degree programs

Ph.D.

1.1 Major (Legacy= Subject)(30-char. max.)

Physiology

1.2 Concentration (Legacy = Concentration/Option)
If applicable to Majors only (30 char. max.)

Chemical Biology

1.3 Minor (with Concentration, if Applicable) (30 char. max.)

2.0 Administering Faculty/Unit

GPS

Offering Faculty/Department

Medicine/Physiology

3.0 Effective Term of Implementation
(Ex. Sept. 2004 = 200409)
Term

201309

4.0 Rationale for new proposal

The Graduate Option in Chemical Biology is designed to expose students to aspects of drug design and development and their applications to the study of physiological and pathophysiological processes. In addition to thesis work with appropriate mentors, students will participate in lecture and seminar courses and thematic workshops, all of which are designed to familiarize students with the current state of the field. This interdisciplinary approach will develop researchers interested in academic careers or in research in the pharmaceutical and biotechnology industries.

5.0 Program Information
Please check appropriate box(es)

5.1 Program Type
- Bachelor's Program
- Master's
- M.Sc. (Applied) Program
- Dual Degree/Concurrent Program
- Certificate
- Diploma
- Graduate Certificate
- Graduate Diploma
- X Ph.D. Program
- Doctorate Program (Other than Ph.D.)
- Private Program
- Off-Campus Program
- Distance Education Program (By Correspondence)
- Other (Please specify)

5.2 Category
- Faculty Program (FP)
- Major
- Joint Major
- Major Concentration (CON)
- Minor
- Minor Concentration (CON)
- Honours (HON)
- Joint Honours Component (HC)
- Internship/Co-op
- X Thesis (T)
- Non-Thesis (N)
- Other
- Please specify

5.3 Level
- Undergraduate
- Dentistry/Law/Medicine
- Continuing Ed (Non-Credit)
- Collegial
- Masters & Grad Dips & Certs
- x Doctorate
- Post-Graduate Medicine/Dentistry
- Graduate Qualifying
- Postdoctoral Fellows

6.0 Total Credits

0

7.0 Consultation with
Related Units Yes ☐ No
Financial Consult Yes No
Attach list of consultations.

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8.0 Program Description (Maximum 150 words)

The Graduate Option in Chemical Biology is centered on the pursuit of an original research project under the direction of one or more program Mentors. This research training is augmented by student participation in lecture and seminar courses and in a series of thematic workshops, all of which are designed to expose students to the diverse approaches and research issues that characterize the current state of the field. Students with training in this interdisciplinary approach will be highly qualified to seek careers in academic research as well as the pharmaceutical and biotechnology industries.

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)

Proposed Ph.D. in Physiology, Chemical Biology (0)
Required Courses (11 credits)
BIOC 610 Seminars in Chemical Biology 1 (1)
BIOC 689 Seminars in Chemical Biology 2 (1)
BIOC 611 Seminars in Chemical Biology 3 (1)
BIOC 690 Seminars in Chemical Biology 4 (1)
PHGY 604 Responsible Conduct in Research (0)
PHGY 701 Ph.D. Comprehensive Exam (0)
PHGY 703 Ph.D. Progress Seminar 1 (1)
PHGY 704 Ph.D. Progress Seminar 2 (1)
PHGY 720 Ph.D. Seminar Course (1)
PHGY 721 Ph.D. Seminar Course (1)
PHGY 722 Ph.D. Seminar Course (1)
PHGY 723 Ph.D. Seminar Course (1)
PHGY 724 Ph.D. Seminar Course (1)

Complementary Courses (6 credits)
6 credits from the following:
CHEM 502 Advanced Bio-Organic Chemistry (3)
CHEM 503 Drug Design and Development 1 (3)
PHAR 503 Drug Discovery and Development 1 (3)

Existing Ph.D. in Physiology (0)
Required Courses (9 credits
PHGY 701 Ph.D. Comprehensive Exam (0)
PHGY 702 Ph.D. Proposal Seminar (1)
PHGY 703 Ph.D. Thesis Proposal Seminar (1)
PHGY 704 Ph.D. Thesis Proposal Seminar (1)
PHGY 720 Ph.D. Seminar Course (1)
PHGY 721 Ph.D. Seminar course (1)
PHGY 722 Ph.D. Seminar Course (1)
PHGY 723 Ph.D. Seminar Course (1)
PHGY 724 Ph.D. Seminar Course (1)
PHGY 725 Ph.D. Seminar Course (1)

ELECTIVE COURSES (9 credits)
Students are required to take an additional three courses of Physiology or Science at the 500 level or above, in consultation with the GSAAC and the candidate's supervisor.

Attach extra page(s) as needed

10.0 Approvals

Routing Sequence	Name	Signature	Date
Department	Dr. John Orlowski		
Curric/Acad Committee	Dr. D. Ragsdale		
Faculty 1	Dr. E. Davis		
Faculty 2			
Faculty 3			
SCTP			
GS			
APPC			
Senate			

Submitted by

Name	Christine Pamplin
Phone	398-4343
Email	Christine.pamplin@mcgill.ca
Submission Date	

To be completed by ARR:

CIP Code