



Program/Major or Minor/Concentration Revision Form

(07/2004)

1.0 Degree Title

Specify the two degrees for concurrent degree programs

M.Sc.

1.1 Physiology

**1.2 Concentration (Legacy = Concentration/Option)
If applicable (30 char. max.)**

Bioinformatics

**1.3 Minor (with Concentration, if applicable)
(30 char. max.)****1.4 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

1.5

M.Sc. in Physiology; Bioinformatics

2.0 Administering Faculty/Unit

Graduate Studies

Offering Faculty/Department

Medicine/Physiology

3.0 Effective Term of revision or retirementPlease give reasons in 5.0 "Rationale" in the case
of retirement

(Ex. Sept. 2004 = 200409)

Retirement

Term:

201309

4.0 Existing Credit Weight

49

Proposed Credit Weight

45

5.0 Rationale for revised program

All Physiology graduate programs and options are being revised to include our new 0 credit course PHGY 604 – Responsible Conduct in Research. This course will be a required part of all our graduate programs and options as of Fall 2013 and has been designed to provide students with the highest level of scholarly and ethical conduct in research. Workshops in this course have been poorly attended, thus offering this as a pass/fail 0-credit course will enforce attendance, since attendance at all four sessions is mandatory in order to pass the course. At the M.Sc. level, PHGY 602, Literature Search & Research Proposal, formerly a 3 credit course, has been reduced to 2 to decrease the program overall credit weight. The required thesis credits are being reduced to conform with the rule that Master thesis programs should not be more than 45 credits.

6.0 Revised Program Description (Maximum 150 words)

7.0 List of existing program and proposed program

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

M.Sc. in Physiology; Bioinformatics (49 credits)

Current Listing:

Thesis Courses (30 credits)

PHGY 621 (12) Thesis 1

PHGY 622 (15) Thesis 2

PHGY 623 (3) M.Sc. Seminar

Required Courses (16 credits)

COMP 616 D1 (1.5) Bioinformatics Seminar

COMP 616 D2 (1.5) Bioinformatics Seminar

PHGY 601 (1) M.Sc. Proposal Seminar

PHGY 602 (3) Literature Search & Research Proposal

PHGY 603 (3) Systems Biology and Biophysics

PHGY 607 (3) Laboratory Research 1

PHGY 608 (3) Laboratory Research 2

Complementary Courses (3)

3 credits to be chosen from the following:

BINF 621 Bioinformatics: Molecular Biology (3)

BMDE 652 Bioinformatics: Proteomics (3)

BTEC 555 Structural Bioinformatics

COMP 618 Bioinformatics: Functional Genomics (3)

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

M.Sc. in Physiology; Bioinformatics (45 credits)

Proposed Program Changes:

Required Thesis Courses (27 credits)

PHGY 621 (12) Thesis 1

PHGY 622 (12) Thesis 2

PHGY 623 (3) M.Sc. Final Seminar

Required Courses (12 credits)

COMP 616 D1 (1.5) Bioinformatics Seminar

COMP 616 D2 (1.5) Bioinformatics Seminar

PHGY 601 (1) M.Sc. Proposal Seminar

PHGY 602 (2) Literature Search & Research Proposal

~~PHGY 603 (3) Systems Biology and Biophysics~~

PHGY 604 (0) Responsible Conduct in Research

PHGY 607 (3) Laboratory Research 1

PHGY 608 (3) Laboratory Research 2

Complementary Courses (6 credits)

6 credits to be chosen from the following:

BINF 621 Bioinformatics: Molecular Biology (3)

BMDE 652 Bioinformatics: Proteomics (3)

BTEC 555 Structural Bioinformatics

COMP 618 Bioinformatics: Functional Genomics (3)

Attach extra page(s) as needed

8.0 Consultation with
Related Units☐ Yes ☐ No

Financial Consult

☐ Yes ☐ No

Attach list of consultations

9. Approvals

Routing Sequence

Name

Signature

Date

Department

Dr. J. Orlowski

Curric/Acad Committee

Dr. D. Raosdale

Faculty 1

Dr. E. Davis

Faculty 2

Faculty 3

SCTP

GS

APPC

Senate

Submitted by

Name

Christine Pamplin

To be completed by ARR:

Phone

398-4343

CIP Code

Email

Christine.pamplin@mccall.ca

Submission Date

January 30, 2013