AC-04-89
Program/Major or Minor/Concentration Revision Form

(09/2003)

1.0 Degree Title
Specify the two degrees for concurrent degree programs

B.Sc.

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

Joint Major in Physiology and Physics

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

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
- ☐ Thesis (T)
- ☐ Non-Thesis (N)
- ☐ Other

Please specify

1.5 Complete Program Title

Joint Major in Physiology and Physics

2.0 Administering Faculty/Unit

Science

Offering Faculty/Department

Mediicine/Physiology

3.0 Effective Term of revision or retirement
Please give reasons in 8.0"Rationale" in the case of retirement (Ex. Sept. 2004 = 200409)
Term

Sept. 2005

4.0 Existing Credit Weight

80 credits

Proposed Credit Weight

80 credits

5.0 Description (Maximum 150 words)

Splitting of spanned term courses PHGY 212D1 and D2 into PHGY 212 Fall and PHGY 213 Winter.

6.0 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)

See below

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

See below

6.0 (Continued) 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)

Joint Major in Physiology and Physics (80 credits)

U1 Required Courses (17credits)
MATH 222 (3) Calculus III
PHGY 212D1* (2) Introductory Physiology Lab
PHGY 212D2* (2) Introductory Physiology Lab
PHYS 230 (3) Dynamics of Simple Systems
PHYS 232 (3) Heat and Waves
PHYS 257 (3) Experimental Methods I
PHYS 258 (3) Experimental Methods II

U1 Complementary Courses (12 credits)
MATH 223 (3) Linear Algebra
or MATH 247 (3) Linear Algebra
PHGY 209 (3) Mammalin Physiology I
and PHGY 210* (3) Mammalin Physiology II
or PHGY 201 (3) Human Physiology: Control Systems
and PHGY 202 (3) Human Physiology: Body Functions
*The corequisite BIOL 200, BIOL 201 is waived for this program

U2 Required Courses (21 credits)
MATH 326 (3) Nonlinear Dynamics and Chaos
PHGY 311 (3) Intermediate Physiology I
PHGY 312 (3) Intermediate Physiology II
PHGY 313 (3) Intermediate Physiology III
PHGY 314 (3) Integrative Neuroscience
PHYS 328 (3) Electronics
PHYS 339 (3) Measurements Laboratory

U2 Complementary Course (6 credits)

MATH 315 (3) Ordinary Differential Equations
or MATH 325 (3) Ordinary Differential Equations
MATH 314 (3) Advanced Calculus
or MATH 248 (3) Advanced Calculus I

U2 or U3 Required Courses (6 credits)
MATH 437 (3) Mathematical Methods in Biology
PHYS 413 (3) The Physical Basis of Physiology

U3 Required Courses (18 credits)
BMDE 519 (3) Analysis of biomedical Systems and Signals
PHGY 461D1 (4.5) Experimental Physiology
PHGY 461D2 (4.5) Experimental Physiology
PHYS 333 (3) Thermal & Statistical Physics
PHYS 340 (3) Electricity and Magnetism
PHYS 446 (3) Quantum Physics

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

Joint Major in Physiology and Physics (80 credits)

U1 Required Courses (17credits)
MATH 222 (3) Calculus III
PHGY 212* (2) Introductory Physiology Lab I
PHGY 213 (2) Introductory Physiology Lab II
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PHYS 232 (3) Heat and Waves
PHYS 257 (3) Experimental Methods I
PHYS 258 (3) Experimental Methods II

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and PHGY 202 (3) Human Physiology: Body Functions
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PHYS 340 (3) Electricity and Magnetism
PHYS 446 (3) Quantum Physics

7.0 Consultation with Related Units ☐ Yes ☐ No **Financial Consult** ☐ Yes ☐ No

Attach list of consultations.

8.0 Rationale

The splitting of spanned term course PHGY 212D1 and D2 into PHGY 212 Fall and PHGY 213 Winter.

9.0 Approvals

Routing Sequence	Name	Signature	Date
Department	Dr. E. Cooper		
Curric/Acad Committee			
Faculty 1			
Faculty 2			
Faculty 3			
SCTP			
GS			
APPC			
Senate			

Submitted by

Name	Sonia Viselli
Phone	3689
Email	Sonia.viselli@mcgill.ca
Submission Date	December 10. 2004

To be completed by ARR:

CIP Code