McGill

Program/Major or Minor/Concentration Revision Form

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Major in Physiology & Physics (80 credits)

U1 Required Courses (17 credits)

* The corequisite BIOL 200, BIOL 201 is waived for this program.

MATH 222 Calculus 3 (3 credits)

PHGY 212 Introductory Physiology Laboratory 1(1 credit) *

PHGY 213 Introductory Physiology Laboratory 2(1 credit) *

PHYS 230 Dynamics of Simple Systems (3 credits)

PHYS 232 Heat and Waves (3 credits)

PHYS 257 Experimental Methods 1 (3 credits)

PHYS 258 Experimental Methods 2 (3 credits)

U2 Required Courses (21 credits)

MATH 326 Nonlinear Dynamics and Chaos (3 credits)

PHGY 311 Channels, Synapses & Hormones (3 credits)

PHGY 312 Respiratory, Renal, & Cardiovascular Physiology (3 credits)

PHGY 313 Blood, Gastrointestinal, & Immune Systems Physiology (3 credits)

PHGY 314 Integrative Neuroscience (3 credits)

PHYS 328 Electronics (3 credits)

PHYS 339 Measurements Laboratory in General Physics (3 credits)

U2 or U3 Required Courses (6 credits)

MATH 437 Mathematical Methods in Biology (3credits) PHYS 413 Physical Basis of Physiology (3 credits)

U3 Required Courses (21 credits)

BMDE 519 Biomedical Signals and Systems (3 credits) PHGY 461D1 Experimental Physiology (4.5 credits) PHGY 461D2 Experimental Physiology (4.5 credits) PHYS 333 Thermal and Statistical Physics (3 credits) PHYS 340 Majors Electricity and Magnetism (3 credits) PHYS 446 Majors Quantum Physics (3 credits)

Major in Physiology & Physics (80 credits)

U1 Required Courses (47 26 credits)

* The corequisite BIOL 200, BIOL 201 is waived for this program.

MATH 222 Calculus 3 (3 credits)

PHGY 209 Mammalian Physiology 1 (3 credits)*

PHGY 210 Mammalian Physiology 2 (3 credits) *

PHGY 212 Introductory Physiology Laboratory 1(1 credit) *

PHGY 213 Introductory Physiology Laboratory 2(1 credit) *

PHYS 230 Dynamics of Simple Systems (3 credits)

PHYS 232 Heat and Waves (3 credits)

PHYS 241 Signal Processing (3 credits)

PHYS 257 Experimental Methods 1 (3 credits)

PHYS 258 Experimental Methods 2 (3 credits)

U2 Required Courses (24-18 credits)

MATH 326 Nonlinear Dynamics and Chaos (3 credits)

PHGY 311 Channels, Synapses & Hormones (3 credits)

PHGY 312 Respiratory, Renal, & Cardiovascular

Physiology (3 credits)

PHGY 313 Blood, Gastrointestinal, & Immune Systems

Physiology (3 credits)

PHGY 314 Integrative Neuroscience (3 credits)

PHYS-328-Electronics (3-credits)

PHYS 339 Measurements Laboratory in General Physics (3 credits)

U2 or U3 Required Courses (6 credits) (Note: These courses are offered in alternate years)

MATH 437 Mathematical Methods in Biology (3credits) PHYS 413 Physical Basis of Physiology (3 credits)

U3 Required Courses (21 credits)

BMDE 519 Biomedical Signals and Systems (3 credits)

PHGY 461D1 Experimental Physiology (4.5 credits)

PHGY 461D2 Experimental Physiology (4.5 credits)

PHYS 333 Thermal and Statistical Physics (3 credits)

PHYS 340 Majors Electricity and Magnetism (3 credits)

PHYS 446 Majors Quantum Physics (3 credits)

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

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

U1 Complementary Courses (9 credits) 3 credits, one of:

MATH 223 Linear Algebra (3 credits) MATH 247 Honours Applied Linear Algebra (3 credits)

6 credits selected as follows:

** The corequisite BIOL 200, BIOL 201 is waived for this program.

PHGY 209 Mammalian Physiology 1 (3 credits) PHGY 210 Mammalian Physiology 2 (3 credits) **

U2 Complementary Courses (6 credits) 3 credits, one of:

MATH 315 Ordinary Differential Equations (3 credits) MATH 325 Honours Ordinary Differential Equations (3 credits)

3 credits, one of:

MATH 248 Honours Advanced Calculus (3 credits) MATH 314 Advanced Calculus (3 credits) U1 Complementary Courses (9 6 credits) 3 credits, one of:

MATH 315 Ordinary Differential Equations (3 credits)

MATH 325 Honours Ordinary Differential Equations (3 credits)

3 credits, one of: MATH 223 Linear Algebra (3 credits) MATH 247 Honours Applied Linear Algebra (3 credits)

6-credits-selected as follows:

** The corequisite BIOL 200, BIOL 201 is waived for this program.

PHGY 209 Mammalian Physiology 1 (3 credits) PHGY 210 Mammalian Physiology 2 (3 credits) **

U2 Complementary Courses (6 3 credits) 3 credits, one of:

MATH-315 Ordinary Differential Equations (3-credits) MATH-325 Honours Ordinary Differential Equations (3-credits)

3 credits, one of:

MATH 248 Honours Advanced Calculus (3 credits) MATH 314 Advanced Calculus (3 credits)

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. John Orlowski	Feb. 13/14		
Curric/Acad Committee	Dr. Ragodale, Cheir	1 Jaly 127 Feb 2014		
Faculty 1	Dr. Dans, Assol Dean	Clais O Asis Febrat 14		
Faculty 2				
Faculty 3				
SCTP				
GS				
APPC				
Senate				
th ellhoromona.				
Submitted by				
Name	Sonia Visetii	To be completed by ARR:		
Phone	514-398-3689	CIP Code		
Email	sona viselli@mcoili ca			
Submission Date	February 13, 2014			

CONSULTATION REPORT FORM RE COURSE/PROGRAM PROPOSALS

DATE:	February 13, 2014		
то:	Professor G. Moore Department of Physics		
FROM:	Sonia Viselli Department of Physiology		
	nce it is the joint Major Physiolog	Curriculum/Academic Committee in Faculty of and Physics it is necessity that we consult with	
		know as soon as possible, on this form, whether comments regarding, the proposal.	
X	_NO OBJECTIONS	SOME OBJECTIONS	
	Physics views these changes as rerequisites and prerequisite confl	long overdue and necessary to free the program icts.	
Signature: Date:	Guy D Moore (sent elec	etronically)	