Program/Major or Minor/Concentration Revision Form

(07/2004)

1.0 Degree Title
Specify the two degrees for concurrent degree programs

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

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)

2.0 Administering Faculty/Unit

Offering Faculty/Department

3.0 Effective Term of revision or retirement
Please give reasons in 5.0 "Rationale" in the case
of retirement
(Ex. Sept. 2004 = 200409)   Retirement

Term:

4.0 Existing Credit Weight   Proposed Credit Weight

5.0 Rationale for revised program

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)

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

Required Course (3 credits)

NSCI 201 Introduction to Neuroscience 2 (3 credits)

Core Complementary Courses (21 credits)

3 credits from the following logic courses:

COMP 230 Logic and Computability (3 credits)
MATH 318 Mathematical Logic (3 credits)
PHIL 210 Introduction to Deductive Logic 1 (3 credits)

3 credits from the following statistics courses:

Complementary Courses

30 credits are selected as follows

18 credits from one of the following lists: Computer Science, Linguistics, Neuroscience, Philosophy, or Psychology.

12 credits from any of the five lists.

Of the 30 Complementary Course credits, 15 credits taken must be at the 400 level or higher.

Computer Science

~~COMP 202 Foundations of Programming (3 credits)~~
COMP 206 Introduction to Software Systems (3 credits)
COMP 250 Introduction to Computer Science (3 credits)
COMP 251 Algorithms and Data Structures (3 credits)
COMP 280 History and Philosophy of Computing (3 credits)
COMP 302 Programming Languages and Paradigms (3 credits)
COMP 330 Theory of Computation (3 credits)
COMP 360 Algorithm Design (3 credits)
COMP 400 Project in Computer Science (4 credits)
COMP 409 Concurrent Programming (3 credits)
COMP 417 Introduction Robotics and Intelligent Systems (3 credits)
COMP 421 Database Systems (3 credits)
COMP 424 Artificial Intelligence (3 credits)
COMP 523 Language-based Security (3 credits)
COMP 526 Probabilistic Reasoning and AI (3 credits)
COMP 527 Logic and Computation (3 credits)
COMP 531 Advanced Theory of Computation (3 credits)
COMP 546 Computational Perception (4 credits)
COMP 558 Fundamentals of Computer Vision (3 credits)
MATH 222 Calculus 3 (3 credits)
MATH 223 Linear Algebra (3 credits)
MATH 240 Discrete Structures 1 (3 credits)

(continued on Attachment 1B)

Complementary Courses

30 credits are selected as follows

18 credits from one of the following lists: Computer Science, Linguistics, Neuroscience, Philosophy, or Psychology.

12 credits from any of the five lists.

Of the 30 Complementary Course credits, 15 credits taken must be at the 400 level or higher.

Computer Science

COMP 206 Introduction to Software Systems (3 credits)
COMP 250 Introduction to Computer Science (3 credits)
COMP 251 Algorithms and Data Structures (3 credits)
COMP 280 History and Philosophy of Computing (3 credits)
COMP 302 Programming Languages and Paradigms (3 credits)
COMP 330 Theory of Computation (3 credits)
COMP 360 Algorithm Design (3 credits)
COMP 400 Project in Computer Science (4 credits)
COMP 409 Concurrent Programming (3 credits)
COMP 417 Introduction Robotics and Intelligent Systems (3 credits)
COMP 421 Database Systems (3 credits)
COMP 424 Artificial Intelligence (3 credits)
COMP 523 Language-based Security (3 credits)
COMP 526 Probabilistic Reasoning and AI (3 credits)
COMP 527 Logic and Computation (3 credits)
COMP 531 Advanced Theory of Computation (3 credits)
COMP 546 Computational Perception (4 credits)
COMP 550 Natural Language Processing (3 credits)
COMP 551 Applied Machine Learning (4 credits)
COMP 558 Fundamentals of Computer Vision (3 credits)
MATH 222 Calculus 3 (3 credits)
MATH 223 Linear Algebra (3 credits)
MATH 240 Discrete Structures 1 (3 credits)

(continued on Attachment 1B)

7.0 Attachment 1B

Linguistics

Any course at the 300, 400 or 500 level from the department of Linguistics, or from the following list:

   LING 201 Introduction to Linguistics (3 credits)
   LING 210 Introduction to Speech Science (3 credits)
   LING 260 Meaning in Language (3 credits)

Philosophy

   NSCI 300 Neuroethics (3 credits)
   PHIL 306 Philosophy of Mind (3 credits)
   PHIL 310 Intermediate Logic (3 credits)
   PHIL 311 Philosophy of Mathematics (3 credits)
   PHIL 341 Philosophy of Science 1 (3 credits)
   PHIL 354 Plato (3 credits)
   PHIL 355 Aristotle (3 credits)
   PHIL 360 17th Century Philosophy (3 credits)
   PHIL 361 18th Century Philosophy (3 credits)
   PHIL 367 19th Century Philosophy (3 credits)
   PHIL 370 Problems in Analytic Philosophy (3 credits)
   PHIL 410 Advanced Topics in Logic 1 (3 credits)
   PHIL 411 Topics in Philosophy of Logic and
Mathematics (3 credits)
   PHIL 415 Philosophy of Language (3 credits)
   PHIL 419 Epistemology (3 credits)
   PHIL 421 Metaphysics (3 credits)
   PHIL 441 Philosophy of Science 2 (3 credits)

(3 credits)
   PHIL 474 Phenomenology (3 credits)

Psychology

   MUMT 250 Music Perception and Cognition (3 credits)
   PSYC 204 Introduction to Psychological Statistics (3 credits)
   PSYC 211 Introductory Behavioural Neuroscience (3 credits)
   PSYC 212 Perception (3 credits)
   PSYC 213 Cognition (3 credits)
   PSYC 302 The Psychology of Pain (3 credits)
   PSYC 304 C39Md Development (3 credits)
   PSYC 305 Statistics for Experimental Design (3 credits)
   PSYC 311 Human Cognition and the Brain (3 credits)
   PSYC 315 Computational Psychology (3 credits)

(continued on Attachment 1C)

Linguistics

Any course at the 300, 400 or 500 level from the department of Linguistics, or from the following list:

   LING 201 Introduction to Linguistics (3 credits)
   LING 210 Introduction to Speech Science (3 credits)
   LING 260 Meaning in Language (3 credits)

Philosophy

   NSCI 300 Neuroethics (3 credits)
   PHIL 306 Philosophy of Mind (3 credits)
   PHIL 310 Intermediate Logic (3 credits)
   PHIL 311 Philosophy of Mathematics (3 credits)
   PHIL 341 Philosophy of Science 1 (3 credits)
   PHIL 354 Plato (3 credits)
   PHIL 355 Aristotle (3 credits)
   PHIL 360 17th Century Philosophy (3 credits)
   PHIL 361 18th Century Philosophy (3 credits)
   PHIL 367 19th Century Philosophy (3 credits)
   PHIL 370 Problems in Analytic Philosophy (3 credits)
   PHIL 410 Advanced Topics in Logic 1 (3 credits)
   PHIL 411 Topics in Philosophy of Logic and
Mathematics (3 credits)
   PHIL 415 Philosophy of Language (3 credits)
   PHIL 419 Epistemology (3 credits)
   PHIL 421 Metaphysics (3 credits)
   PHIL 441 Philosophy of Science 2 (3 credits)

(3 credits)
   PHIL 474 Phenomenology (3 credits)

Psychology

   MUMT 250 Music Perception and Cognition (3 credits)
   PSYC 204 Introduction to Psychological Statistics (3 credits)
   PSYC 211 Introductory Behavioural Neuroscience (3 credits)
   PSYC 212 Perception (3 credits)
   PSYC 213 Cognition (3 credits)
   PSYC 301 Animal Learning & Theory (3 credits)
   PSYC 302 The Psychology of Pain (3 credits)
   PSYC 304 C39Md Development (3 credits)
   PSYC 305 Statistics for Experimental Design (3 credits)

7.0 Attachment 1C

PSYC 317 Genes and Behaviour (3 credits)
PSYC 318 Behavioural Neuroscience 2 (3 credits)
PSYC 340 Psychology of Language (3 credits)
PSYC 341 The Psychology of Bilingualism (3 credits)
PSYC 342 Hormones and Behaviour (3 credits)
PSYC 352 Cognitive Psychology Laboratory (3 credits)
PSYC 406 Psychological Tests (3 credits)
PSYC 410 Special Topics in Neuropsychology (3 credits)

7.0 Attachment 1D

BIOL 507 Animal Communication (3 credits)

8.0 Consultation with							
Related Units	Yes	No		Financial Consult	Yes	No	

Attach list of consultations - Please see Attachment 1E

9. Approvals

Routing Sequence	☐ ☐ Name	Signature ☐ ☐	Date
Department			
Curric/Acad Committee			
Faculty 1			
Faculty 2			
Faculty 3			
SCTP			
GS			
APPC			
Senate			

Submitted by

Name	Tom Shultz
Phone	X6139
Email	thomas.shultz@mcgill.ca
Submission Date	

To be completed by ARR:

CIP Code