



1.0 Degree Title
Specify the two degrees for concurrent degree programs

B.Sci. Liberal Microbiology and Immunology

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

1.2
If applicable (30 char. max.)

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

1.4 Category

- | | |
|---------------------------|------------------|
| Faculty Program (FP) | Honours (HON) |
| Major | Joint Honours |
| Joint Major | Component (HC) |
| Major Concentration (CON) | Internship/Co-op |
| Minor | Thesis (T) |
| Minor Concentration (CON) | Non-Thesis (N) |

Other X
Please specify

Liberal

1.5 Complete Program Title

B.Sci. Liberal program in Microbiology and Immunology

2.0 Administering Faculty/Unit

Science/ Microbiology and Immunology

Offering Faculty/Department

Medicine/Microbiology and Immunology

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: 201309

4.0 Existing Credit Weight Proposed Credit Weight

48

49

5.0 Rationale for revised program

This program requires MIMM 212 Laboratory in Microbiology and the previous 2 credits for MIMM 212 will increase to 3 credits. (Improvements to MIMM 212 have substantially increased the student's workload.) Therefore the program credit weight must also be increased by 1 credit.

6.0 Revised Program Description (Maximum 150 words)

Only the credit requirement is being increased. Otherwise the program remains the same.

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)

U1 Required Courses (18 credits)

* Students who have taken CHEM 212 in CEGEP are exempt and must replace these credits with an elective course(s).

- BIOL 200 Molecular Biology (3 credits)
- BIOL 202 Basic Genetics (3 credits)
- CHEM 212 Introductory Organic Chemistry I (4 credits) *
- MIMM 211 Introductory Microbiology (3 credits)
- MIMM 212 Laboratory in Microbiology (2 credits)
- MIMM 214 Introductory Immunology: Elements of Immunity (3 credits)

U1 Complementary Course (3 credits)

3 credits, select one from:

- BIOC 212 Molecular Mechanisms of Cell Function (3 credits)
- BIOL 201 Cell Biology and Metabolism (3 credits)

U1, U2 or U3 Required Course (3 credits)

3 credits, select one from:

- BIOL 373 Biometry (3 credits)
- MATH 203 Principles of Statistics I (3 credits)
- PSYC 204 Introduction to Psychological Statistics (3 credits)

U2 Required Courses (15 credits)

- MIMM 314 Intermediate Immunology (3 credits)
- MIMM 323 Microbial Physiology (3 credits)
- MIMM 324 Fundamental Virology (3 credits)
- MIMM 386D1 Laboratory in Microbiology and Immunology (3 credits)
- MIMM 386D2 Laboratory in Microbiology and Immunology (3 credits)

U3 Complementary Courses (6 credits)

6 credits selected from:

- MIMM 387 The Business of Science (3 credits)
- MIMM 413 Parasitology (3 credits)
- MIMM 414 Advanced Immunology (3 credits)
- MIMM 465 Bacterial Pathogenesis (3 credits)
- MIMM 466 Viral Pathogenesis (3 credits)
- MIMM 509 Inflammatory Processes (3 credits)

U1, U2 or U3 Complementary Courses (3 credits)

3 credits selected from:

* Students who have taken CHEM 212 or CHEM 222 in CEGEP must replace it with another complementary course.

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

U1 Required Courses (19 credits)

* Students who have taken CHEM 212 in CEGEP are exempt and must replace these credits with an elective course(s).

- BIOL 200 Molecular Biology (3 credits)
- BIOL 202 Basic Genetics (3 credits)
- CHEM 212 Introductory Organic Chemistry I (4 credits) *
- MIMM 211 Introductory Microbiology (3 credits)
- MIMM 212 Laboratory in Microbiology (3 credits)
- MIMM 214 Introductory Immunology: Elements of Immunity (3 credits)

U1 Complementary Course (3 credits)

3 credits, select one from:

- BIOC 212 Molecular Mechanisms of Cell Function (3 credits)
- BIOL 201 Cell Biology and Metabolism (3 credits)

U1, U2 or U3 Required Course (3 credits)

3 credits, select one from:

- BIOL 373 Biometry (3 credits)
- MATH 203 Principles of Statistics I (3 credits)
- PSYC 204 Introduction to Psychological Statistics (3 credits)

U2 Required Courses (15 credits)

- MIMM 314 Intermediate Immunology (3 credits)
- MIMM 323 Microbial Physiology (3 credits)
- MIMM 324 Fundamental Virology (3 credits)
- MIMM 386D1 Laboratory in Microbiology and Immunology (3 credits)
- MIMM 386D2 Laboratory in Microbiology and Immunology (3 credits)

U3 Complementary Courses (6 credits)

6 credits selected from:

- MIMM 387 The Business of Science (3 credits)
- MIMM 413 Parasitology (3 credits)
- MIMM 414 Advanced Immunology (3 credits)
- MIMM 465 Bacterial Pathogenesis (3 credits)
- MIMM 466 Viral Pathogenesis (3 credits)
- MIMM 509 Inflammatory Processes (3 credits)

U1, U2 or U3 Complementary Courses (3 credits)

3 credits selected from:

* Students who have taken CHEM 212 or CHEM 222 in CEGEP must replace it with another complementary course.

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	Joaquim Madrenas	<i>Joaquim Madrenas</i>	Oct. 29/2012
Curric/Acad Committee			
Faculty 1	David Ragedale	<i>David Ragedale</i>	Nov. 6/12
Faculty 2	E.C. Davis	<i>E.C. Davis</i>	Nov 6/12
Faculty 3			
SCTP			
GS			
APPC			
Senate			

Submitted by

Name	Grea Marczvnski	To be completed by ARR:
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Submission Date	223 Oct 2012	