

OFFICE OF THE ASSOCIATE VICE-PRESIDENT, ACADEMIC AND
ASSOCIATE PROVOST

8888 University Drive, TEL: 778.782.4636 avpcio@sfu.ca
Burnaby, BC FAX: 778.782.5876 www.sfu.ca/vpacademic
Canada V5A 1S6

MEMORANDUM

ATTENTION Senate DATE March 8, 2013
FROM Gordon Myers, Chair PAGES 1/1
Senate Committee on
Undergraduate Studies
RE: Faculty of Health Sciences (SCUS 13-08)

For information:

Acting under delegated authority at its meeting of March 7, 2013, SCUS approved the following curriculum revisions effective Fall 2013:

[1] Changes to HSCI courses:

- Prerequisite change to 410, 484
- Description change to 490, 491
- Description and prerequisite change to 492

[2] Program requirement changes to the Bachelor of Science Program; Population and Quantitative Health Sciences Concentration



SIMON FRASER UNIVERSITY
ENGAGING THE WORLD

FACULTY OF HEALTH SCIENCES

PHONE (778) 782-4821

FAX (778) 782-5927

MEMORANDUM

TO: Gord Myers and the Senate Committee on Undergraduate Studies

FROM: Mark Lechner, Director, Undergraduate Programs, Faculty of Health Sciences

RE: SCUS Agenda Items

DATE: February 22, 2013

On February 18, 2013 the Faculty of Health Sciences Undergraduate Studies Committee approved changes to calendar descriptions for the following:

- Addition of STAT305-3 prerequisite option
 - HSCI410-3 Exploratory Data Analysis
 - HSCI484-3 Senior Seminar in Population Health Research
- Changes to description of Honors Program, including course description changes
 - HSCI490-3 Research Proposal
 - HSCI491-3 Independent Research
 - HSCI492-3 Honors Research Thesis

Please place these items on the agenda for the next SCUS meeting.

Regards,

Mark S. Lechner

FACULTY OF HEALTH SCIENCES
BLUSSON HALL, ROOM 11300,
SIMON FRASER UNIVERSITY,
8888 UNIVERSITY DRIVE,
BURNABY BC,
CANADA, V5A 1S6



EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):

☐ Course number ☐ Credit ☐ Title ☐ Description ☒ Prerequisite ☐ Course deletion ☐ Learning Outcomes

Indicate number of hours for: Lecture _____ Seminar _____ Tutorial _____ Lab _____

FROM **HSCI 410** **TO**
Course Subject/Number _____ Course Subject/Number _____
Credits 3 _____ Credits _____

TITLE

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

FROM: _____ **TO:** _____

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

FROM: _____ **TO:** _____

DESCRIPTION

FROM: _____

DESCRIPTION

TO: _____

PREREQUISITE

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses?
If so, this should be **noted in the prerequisite**.

FROM: STAT 302. Recommended: HSCI 330.

PREREQUISITE

TO: STAT 302 or STAT 305. Recommended: HSCI 330.

LEARNING OUTCOMES

RATIONALE

Students have an option to choose between STAT 302 and STAT 305.



EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):

☐ Course number ☐ Credit ☐ Title ☐ Description ☒ Prerequisite ☐ Course deletion ☐ Learning Outcomes

Indicate number of hours for: Lecture _____ Seminar _____ Tutorial _____ Lab _____

FROM **HSCI 484** **TO**
Course Subject/Number _____ Course Subject/Number _____
Credits 3 Credits _____

TITLE

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

FROM: **TO:**

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

FROM: **TO:**

DESCRIPTION

FROM:

DESCRIPTION

TO:

PREREQUISITE

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses?
If so, this should be **noted in the prerequisite**.

FROM: HSCI majors with 90 units, including HSCI 330 and STAT 302, or permission from instructor.

PREREQUISITE

TO: HSCI majors with 90 units, including HSCI 330 and either STAT 302 or STAT 305

LEARNING OUTCOMES

RATIONALE

Students have an option to choose between STAT 302 and STAT 305.

Effective term and year



EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):

☐ Course number ☐ Credit ☐ Title ☒ Description ☐ Prerequisite ☐ Course deletion ☐ Learning Outcomes

Indicate number of hours for: Lecture _____ Seminar _____ Tutorial _____ Lab _____

FROM **HSCI 490** **TO**
Course Subject/Number _____ Course Subject/Number _____
Credits 3 Credits _____

TITLE

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

FROM: **TO:**

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

FROM: **TO:**

DESCRIPTION

FROM:

Research proposal for the honors thesis. HSCI 490, 491 and 492 together form the honors thesis. Limited to honors students upon written agreement of the faculty supervisor.

PREREQUISITE

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses? If so, this should be **noted in the prerequisite**.

FROM:

DESCRIPTION

TO:

Research proposal for the honors thesis. Limited to honors students upon written agreement of the faculty supervisor.

PREREQUISITE

TO:

LEARNING OUTCOMES

RATIONALE

There are more honors course options now. The following wording is outdated: "HSCI 490, 491 and 492 together form the honors thesis." and should be removed.

Effective term and year

NOVEMBER 2012



EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):

☐ Course number ☐ Credit ☐ Title ☒ Description ☐ Prerequisite ☐ Course deletion ☐ Learning Outcomes

Indicate number of hours for: Lecture _____ Seminar _____ Tutorial _____ Lab _____

FROM **TO**
Course Subject/Number HSCI 491 Course Subject/Number _____
Credits 3 Credits _____

TITLE

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

FROM: **TO:**

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

FROM: **TO:**

DESCRIPTION

FROM:

Research for the honors thesis. HSCI 490, 491 and 492 together form the honors thesis. Limited to honors students upon written agreement of the faculty supervisor. Prerequisite/corequisite: HSCI 490. Students with credit for HSCI 493 or HSCI 494 may not take HSCI 491 for further credit.

PREREQUISITE

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses?
If so, this should be **noted in the prerequisite**.

FROM:

DESCRIPTION

TO:

Research for the honors thesis. Limited to honors students upon written agreement of the faculty supervisor.
Prerequisite/corequisite: HSCI 490. Students with credit for HSCI 493 or HSCI 494 may not take HSCI 491 for further credit.

PREREQUISITE

TO:

LEARNING OUTCOMES

RATIONALE

There are more honors course options now. The following wording is outdated: "HSCI 490, 491 and 492 together form the honors thesis." and should be removed.

Effective term and year

NOVEMBER 2012



EXISTING COURSE, CHANGES RECOMMENDED

Please check appropriate revision(s):

☐ Course number ☐ Credit ☐ Title ☒ Description ☒ Prerequisite ☐ Course deletion ☐ Learning Outcomes

Indicate number of hours for: Lecture _____ Seminar _____ Tutorial _____ Lab _____

FROM **HSCI 492** **TO**
Course Subject/Number _____ Course Subject/Number _____
Credits 3 Credits _____

TITLE

(1) LONG title for calendar and schedule, no more than 100 characters including spaces and punctuation.

FROM: **TO:**

(2) SHORT title for enrollment and transcript, no more than 30 characters including spaces and punctuation.

FROM: **TO:**

DESCRIPTION

FROM:

Independent honors research thesis. HSCI 490, 491 and 492 together form the honors thesis. Limited to honors students upon written agreement of the faculty supervisor. Prerequisite or corequisite: HSCI 491.

PREREQUISITE

Does this course replicate the content of a previously approved course to such an extent that students should not receive credit for both courses? If so, this should be **noted in the prerequisite**.

FROM: Prerequisite or corequisite: HSCI 491.

DESCRIPTION

TO:

Independent honors research thesis. Limited to honors students upon written agreement of the faculty supervisor.

PREREQUISITE

TO: Prerequisite or corequisite: One of: HSCI 491, HSCI 493, HSCI 494.

LEARNING OUTCOMES

RATIONALE

There are more honors course options now. The following wording is outdated: "HSCI 490, 491 and 492 together form the honors thesis." and should be removed.

Effective term and year



SIMON FRASER UNIVERSITY
THINKING OF THE WORLD

FACULTY OF HEALTH SCIENCES

PHONE (778) 782-4821
FAX (778) 782-5927

MEMORANDUM

TO: SCUS

FROM: Mark Lechner, Director, Undergraduate Programs, Faculty of Health Sciences

RE: Change in BSc Program Requirements - Population and Quantitative Health Sciences Concentration

DATE: February 26, 2013

We are asking SCUS to consider approval of the following change in BSc Program Requirements:

FROM

Population and Quantitative Health Sciences Concentration

Lower Division Requirements (57 units minimum)

Students complete all of

- BISC 101-4 General Biology I
- BISC 102-4 General Biology II
- BISC 202-3 Genetics
- HSCI 130-4 Foundations of Health Science
- MATH 154-3 Calculus I for the Biological Sciences

and at least five of

- CHEM 121-4 General Chemistry and Laboratory I
- CHEM 122-2 General Chemistry II
- CHEM 281-4 Organic Chemistry I

- CHEM 282-2 Organic Chemistry II
- ~~CMPT 126-3 Introduction to Computer Science and Programming~~
- ECON 104-3 Economics and Government
- MATH 155-3 Calculus II for the Biological Sciences
- PHYS 101-3 Physics for the Life Sciences I

and one of

- ENGL 199-3 Introduction to University Writing
- PHIL 120-3 Introduction to Moral Philosophy

and one of

- STAT 201-3 Statistics for the Life Sciences
- STAT 203-3 Introduction to Statistics for the Social Sciences

and at least three of

- HSCI 211-3 Perspectives on Cancer, Cardiovascular and Metabolic Diseases
- HSCI 212-3 Perspectives on Infectious and Immunological Diseases
- HSCI 214-3 Perspectives on Mental Health and Illness
- HSCI 215-3 Perspectives on Disability and Injury
- HSCI 216-3 Ecological Determinants of Human Growth, Development and Health

TO

Population and Quantitative Health Sciences Concentration

Lower Division Requirements (57 units minimum)

Students complete all of

- BISC 101-4 General Biology I
- BISC 102-4 General Biology II
- BISC 202-3 Genetics
- HSCI 130-4 Foundations of Health Science
- MATH 154-3 Calculus I for the Biological Sciences

and at least five of

- CHEM 121-4 General Chemistry and Laboratory I
- CHEM 122-2 General Chemistry II
- CHEM 281-4 Organic Chemistry I
- CHEM 282-2 Organic Chemistry II
- **CMPT 120-3 Introduction to Computing Science and Programming I**
- ECON 104-3 Economics and Government
- MATH 155-3 Calculus II for the Biological Sciences
- PHYS 101-3 Physics for the Life Sciences I

and one of

- ENGL 199-3 Introduction to University Writing
- PHIL 120-3 Introduction to Moral Philosophy

and one of

- STAT 201-3 Statistics for the Life Sciences
- STAT 203-3 Introduction to Statistics for the Social Sciences

and at least three of

- HSCI 211-3 Perspectives on Cancer, Cardiovascular and Metabolic Diseases
- HSCI 212-3 Perspectives on Infectious and Immunological Diseases
- HSCI 214-3 Perspectives on Mental Health and Illness
- HSCI 215-3 Perspectives on Disability and Injury
- HSCI 216-3 Ecological Determinants of Human Growth, Development and Health

RATIONALE

We are replacing CMPT 126-3 Introduction to Computer Science and Programming with CMPT 120-3 Introduction to Computing Science and Programming I because CMPT 120-3 is a better fit for our majors and is suitable for students with little or no programming background.