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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

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# 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

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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

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**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** Course Subject/Number HSCI 410 **TO** 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. **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** Course Subject/Number HSCI 484 **TO** 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.



**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** Course Subject/Number HSCI 490 **TO** 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.

**DESCRIPTION**

**TO:**

Research proposal for 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**.

**PREREQUISITE**

**TO:**

**FROM:**

**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





**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** Course Subject/Number HSCI 491 **TO** 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.

**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**

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**.

**PREREQUISITE**

**TO:**

**FROM:**

**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



**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** Course Subject/Number HSCI 492 **TO** 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



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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

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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.