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MEMORANDUM

ATTENTION	Senate	DATE	March 6, 2015
FROM	Gordon Myers, Chair Senate Committee on Undergraduate Studies	PAGES	1/1
RE:	Faculty of Health Sciences (SCUS 15-07)		

A handwritten signature in blue ink, appearing to read "Gordon Myers", is written over a horizontal line.

For information:

Acting under delegated authority at its meeting of March 5, 2015 SCUS approved the following curriculum revisions effective Fall 2015.

1. Lower division requirement changes to the Bachelor of Science Majors and Honours Programs
2. Upper division requirement changes to the Bachelor of Arts Majors and Honours Programs
3. Admission requirement changes for internal transfers



SIMON FRASER UNIVERSITY
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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 16, 2015

The Faculty of Health Sciences Undergraduate Studies Committee approved changes to its undergraduate programs:

- Modification of the requirements for the BSc major and honours programs, Population and Quantitative Health Sciences concentration
- Modification of the requirements for the BA major and honours programs in Health Sciences
- Modification to the internal transfer requirements

Supporting documents for the program changes are attached. Please place these items on the agenda for the next SCUS meeting.

Regards,

Mark S. Lechner

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Changes to the BSc majors and honours programs:

Under the heading "Population and Quantitative Health Sciences Concentration Lower Division Requirements"

Students complete all of

BISC 101 - General Biology (4)

BISC 102 - General Biology (4)

BISC 202 - Genetics (3)

HSCI 130 - Foundations of Health Science (4)

MATH 154 - Calculus I for the Biological Sciences (3)

and at least five of

CHEM 121 - General Chemistry and Laboratory I (4)

CHEM 122 - General Chemistry II (2)

CHEM 281 - Organic Chemistry I (4)

CHEM 282 - Organic Chemistry II (2)

CMPT 120 - Introduction to Computing Science and Programming I (3)

ECON 102 – The World Economy (3)

ECON 104 - Economics and Government (3)

MATH 155 - Calculus II for the Biological Sciences (3)

PHYS 101 - Physics for the Life Sciences I (3)

and one of

ENGL 199W—Introduction to University Writing (3)

PHIL 120W—Introduction to Moral Philosophy (3)

and one of

STAT 201 - Statistics for the Life Sciences (3)

STAT 203 - Introduction to Statistics for the Social Sciences (3)

and at least three of

HSCI 211 - Perspectives on Cancer, Cardiovascular, and Metabolic Diseases (3)

HSCI 212 - Perspectives on Infectious and Immunological Diseases (3)

HSCI 214 - Perspectives on Mental Health and Illness (3)

HSCI 215 - Perspectives on Disability and Injury (3)
HSCI 216 - Ecological Determinants of Human Growth, Development and Health (3)
Population and Quantitative Health Sciences Concentration Upper Division Requirements

Students complete all of

HSCI 305 - The Canadian Health System (3)
HSCI 307 - Research Methods in Health Sciences (3)
HSCI 324 - Human Population Genetics and Evolution (3)
HSCI 330 - Exploratory Strategies in Epidemiology (3)
~~HSCI 484 - Senior Seminar in Population Health Research (3)~~

and one of

STAT 302 - Analysis of Experimental and Observational Data (3)
STAT 305 - Introduction to Biostatistical Methods for Health Sciences (3)

and one of

HSCI 319W - Applied Health Ethics (3)
HSCI 327 - Global Health Ethics (3)

and at least six of the following courses, which include a minimum of one as indicated by +

BISC 441 - Evolution of Health and Disease (3)
BISC 422 - Population Genetics (3)
HSCI 304 - Perspectives on Environmental Health (3)
HSCI 340 - Social Determinants of Health (3)
HSCI 410 - Exploratory Data Analysis (3) +
HSCI 424 - Strategic Applications of GIS in Health (4) +
HSCI 431 - The Global HIV/AIDS Epidemic (3)
HSCI 432 - Seminar in Epidemiology (3) +
HSCI 478 - Seminar in Molecular Epidemiology of Infectious Diseases (3) +
HSCI 481 - Senior Seminar in Social Health Science (3)
HSCI 483 - Senior Seminar in Environmental Health (3)
~~HSCI 484 - Senior Seminar in Population Health Research (3) +~~
HSCI 485 - Senior Seminar in Mental Health and Addictions (3)
HSCI 486 - Senior Seminar in Global Health (3)
MBB 435 - Genome Biology (3)
MBB 441 - Bioinformatics (3)
REM 412 - Environmental Modeling (3)
SA 355 - Quantitative Methods (S) (4) +

~~and a minimum two additional upper division HSCI courses (6 units minimum)~~

Rationale:

To provide more flexibility in upper division requirements and introduce more flexibility in the selection of lower division W courses (as is the case for other Health Sciences majors)

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Changes to the BA majors and honours programs:

Under the heading “Upper Division Requirements”

~~and one of~~

~~HSCI 481—Senior Seminar in Social Health Science (3)~~

~~HSCI 482—Senior Seminar in Infectious Diseases (3)~~

~~HSCI 483—Senior Seminar in Environmental Health (3)~~

~~HSCI 484—Senior Seminar in Population Health Research (3)~~

~~HSCI 485—Senior Seminar in Mental Health and Addictions (3)~~

~~HSCI 486—Senior Seminar in Global Health (3)~~

~~and a minimum of six additional upper division courses related to the major, including at least 12 HSCI units.~~

and 21 additional upper division units including at least 12 HSCI units.

Rationale:

To improve student access to these small senior seminar courses by alleviating the requirement that all BA majors must enroll in these courses.



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Changes to the Admission requirements for internal transfer:

Internal transfer allows students to transfer, within Simon Fraser University, from one faculty to another. Students can apply for internal transfer into the Faculty of Health Sciences with a minimum CGPA of 2.5 and after completion of HSCI 130-4 and one of the following 200-level HSCI courses ~~with a minimum grade of C-~~: HSCI 211-3, HSCI 212-3, HSCI 214-3, HSCI 215-3, or HSCI 216-3 with a minimum grade of C- in these courses.

Rationale:

Students could complete HSCI 216-3 without taking HSCI 130-4 "*Foundations of Health Sciences*" which is deemed an essential introductory course to complete in order to successfully transfer into the Health Sciences major.