

# SIMON FRASER UNIVERSITY

S.81-18

## MEMORANDUM

To..... SENATE

From..... SENATE COMMITTEE ON UNDERGRADUATE  
STUDIES

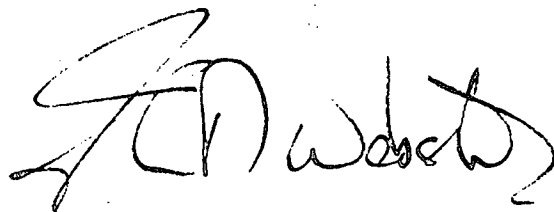
Subject..... PROPOSED HONORS PROGRAM IN  
OCCUPATIONAL HEALTH SCIENCE

Date..... DECEMBER 19, 1980

Action undertaken by the Senate Committee on Undergraduate Studies at its meeting of December 9, 1980 gives rise to the following motion:

MOTION: "That Senate approve and recommend approval to the Board of Governors, as set forth in S.81-18, the proposed Honors Program in Occupational Health Science, including  
i) Lower division requirements  
ii) Upper division requirements."

In discussion it was observed that there is a proposal for an Extended Studies Diploma in Occupational Health Science, for an Honors Program in Occupational Health Science, for a Minor Program in Occupational Health Science, but not for a Major Program. The Committee gave consideration to the title proposed for the Honors Program and noted that the overall topic of identifying degrees and possible subdivisions would be further considered by SCAP. An individual who embarks on the Honors Program who later wished to change direction would have minimum difficulty in transferring to the Major Program in Kinesiology.



SCUS 80-99B

# SIMON FRASER UNIVERSITY

## MEMORANDUM

To Mr. H.M. Evans, Registrar and  
Secretary to the Senate Committee  
on Undergraduate Studies

From Janet Blanchet, Secretary to the  
Faculty of Interdisciplinary Studies  
Undergraduate Curriculum Committee

Subject Occupational Health Science Proposals  
I.S.C. 80-28

Date 20 November 1980

HONORS PROGRAM IN OCCUPATIONAL  
HEALTH SCIENCE

At a meeting held on Tuesday, November 18, 1980 members of the Faculty of Interdisciplinary Studies Undergraduate Curriculum Committee discussed the Occupational Health Science proposal. This proposal encompasses the following programs. —

Honors Program in Occupational Health Science  
Extended Studies Diploma in Occupational Health Science  
Minor in Occupational Health Science

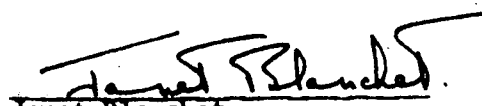
As part of the proposal one course received a change in designation, and six new courses were introduced, as follows:

OHS.300-3, Introduction to Occupational Health Science  
OHS.370-3, Epidemiology and Biostatistics  
OHS.481-3, Principles of Industrial Hygiene  
OHS.482-3, Occupational Health Sciences Laboratory  
OHS.489-3, Occupational Safety and Hazard Management  
OHS.490-3, Field Practicum in Occupational Health Science

OHS.480-3, Ergonomics/Human Factors in Working Environments  
(formerly KIN. 480-3, Human Factors in Working Environments)

Members of the Committee approved the entire proposal noting that it would be the first of its kind in the west, and one of only three in Canada.

Please place this item on the next agenda of the Senate Committee on Undergraduate Studies for that Committee's consideration.

  
Janet Blanchet

JB:jk

Attachment

## RATIONALE FOR AN HONORS PROGRAM IN OCCUPATIONAL HEALTH SCIENCE

During the discussion of approving an Extended Studies Diploma program in Occupational Health Science, it became apparent that the present undergraduate students in the University cannot benefit from the availability of the new courses as admission to EXD is limited to those who already have a degree or equivalent post-secondary education. Those who have no background in Human Anatomy and Physiology may have to take these courses as prerequisites. Thus, by incorporating present upper division required courses in Kinesiology and proper selection of other upper division Kinesiology courses, an Honors program can be made available for the Kinesiology, Biology, or Biochemistry undergraduates.

Even though the demand for an Occupational Health Scientist may be increasing in the future, it is the desire of the Department to produce only a limited number of top quality graduates.

The lower division requirements will be similar to that proposed for an Applied Physiology Honors program.

## LOWER DIVISION REQUIREMENTS FOR OCCUPATIONAL HEALTH SCIENCE HONORS

### BIOLOGICAL SCIENCES:

- |   |             |   |                         |      |
|---|-------------|---|-------------------------|------|
| - | Bisc. 101-4 | - | Introduction to Biology |      |
|   | Bisc. 102-4 | - | Introduction to Biology |      |
|   | Bisc. 201-3 | - | Cell Biology            | (11) |

### CHEMISTRY:

- |   |             |   |                                 |      |
|---|-------------|---|---------------------------------|------|
| - | Chem. 104-3 | - | General Chemistry I             |      |
|   | Chem. 105-3 | - | General Chemistry II            |      |
|   | Chem. 115-2 | - | General Chemistry Laboratory I  |      |
|   | Chem. 118-2 | - | General Chemistry Laboratory II |      |
|   | Chem. 251-3 | - | Organic Chemistry               |      |
|   | Chem. 256-2 | - | Organic Chemistry laboratory    | (15) |

### MATHEMATICS:

- |   |             |   |                              |   |                         |
|---|-------------|---|------------------------------|---|-------------------------|
| - | Math. 151-3 | - | Calculus I or (b) Math. 154  | - | Calculus I for Bisc.(6) |
|   | Math. 152-3 | - | Calculus II or (b) Math. 155 | - | Calculus II for Bisc.   |

### PHYSICS:

- |   |             |   |                      |     |
|---|-------------|---|----------------------|-----|
| - | Phys. 101-3 | - | General Physics I    |     |
|   | Phys. 102-3 | - | General Physics I II | (6) |

### COMPT. SCIENCE:

- |   |             |   |                           |     |
|---|-------------|---|---------------------------|-----|
| - | Compt 103-3 | - | Higher language (Fortran) |     |
|   | Compt 142-1 | - | Project in Kinesiology    | (4) |

### KINESIOLOGY:

- |            |   |                                              |     |
|------------|---|----------------------------------------------|-----|
| Kin. 100-3 | - | Introduction to Human Structure and Function |     |
| Kin. 142-3 | - | Introduction to Kinesiology                  | (6) |

Two courses from Business administration, English, Philosophy, Psychology, Sociology and Anthropology or Communication. The remaining 6 hours from any department in the University

## UPPER DIVISION REQUIREMENTS FOR AN HONORS IN OCCUPATIONAL HEALTH SCIENCES

|            |                                                        |     |
|------------|--------------------------------------------------------|-----|
| Kin. 305-3 | - Human Physiology I                                   | (3) |
| Kin. 306-3 | - Human Physiology II                                  | (3) |
| Kin. 326-3 | - Functional Anatomy                                   | (3) |
| Kin. 343-3 | - Fitness appraisal and Guidance                       | (3) |
| Kin. 367-3 | - Psychology of motor performance                      | (3) |
| Kin. 401-4 | - Mechanics of Human Movement                          | (4) |
| Kin. 407-3 | - Human Physiology Laboratory                          | (3) |
| OHS. 300-3 | - Introduction to Occupational Health Science          | (3) |
| OHS. 370-3 | - Epidemiology and Biostatistics                       | (3) |
| OHS. 480-3 | - Ergonomics/Human Factors in Working Environment      | (3) |
| OHS. 481-3 | - Principles of Industrial Hygiene                     | (3) |
| OHS. 482-2 | - Occupational Health Sciences Laboratory              | (2) |
| OHS. 489-3 | - Occupational Safety and Hazard Management            | (3) |
| OHS. 490-3 | - Field practicum in Occupational Health Science       | (3) |
| Bisc 311-3 | - Introduction to Environmental Toxicology             | (3) |
| Kin. 496-3 | - Directed Study (Occupational Health Science)         | (3) |
| Kin. 498-3 | - Undergraduate research (Occupational Health Science) | (3) |

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(51)

Out of the 60 upper division semester hours, 51 are thus specified. The remaining 9 semester hours can be selected from related areas within the University with the consent of the undergraduate advisor in the department. A further twelve credit hours of electives in subjects offered by any department or program (excluding Educ. 401, 402, 405) should be completed to bring up the total semester credit hours to 132.