

SIMON FRASER UNIVERSITY

OFFICE OF THE VICE-PRESIDENT, ACADEMIC

MEMORANDUM

To: Senate

From: D. Gagan, Chair *D. Gagan*
Senate Committee on Academic Planning

Subject: Faculty of Applied Sciences -
Curriculum revisions
(Reference: SCAP 97-49)

Date: November 10, 1997

Action undertaken by the Senate Committee on Undergraduate Studies and the Senate Committee on Academic Planning gives rise to the following motion:

Motion:

"that Senate approve and recommend to the Board of Governors as set forth in S.97 - 86 , the proposed Certificate in Applied Human Nutrition including:

New courses	KIN 111-3	Food and Food Safety
	KIN 212-3	Food and Society
	KIN 312-3	Nutrition for Fitness and Sport"

For Information:

Acting under delegated authority of Senate, SCUS approved revisions as set forth in S.97 - 86

- a) School of Communication
- b) School of Computing Science
- c) School of Engineering Science
- d) School of Kinesiology

Any Senator wishing to consult the full report of curriculum revisions within the Faculty of Applied Sciences should contact Bobbie Grant, Senate Assistant at 291-3168 or e-mail bgrant@sfu.ca

1. Certificate in Nutrition and Courses to be Added

Add the following to page 95 of the 1996/1997 Calendar, after the Certificate in Health and Fitness Studies:

Certificate in Applied Human Nutrition

This certificate is intended for professionals who are not dietitians or nutritionists, but are concerned with promotion of health and wellness: for example, nurses, kinesiologists, professional coaches and personal trainers, teachers, trained food service supervisors, dietary technicians, pharmacists and clinical psychologists. The purpose is to provide these professionals with an enhanced understanding of the relationships among food, body composition, health, and human performance. **Note:** this certificate does not qualify the individual as a Registered Dietitian.

The program can be completed entirely by Distance Education, if desired.

Admission is governed by the University admissions regulations. For details, see the *Admission and Readmission* section of this calendar. Please note that a maximum of nine semester hours are transferable to the certificate from any other institution, including the Open Learning Agency. After being admitted to Simon Fraser University, submission of a completed Program Approval form to the Kinesiology Undergraduate Advisor is required for formal acceptance in the program.

Requirements

Students must complete all of the following specified courses:

- KIN 105-3* Fundamentals of Human Structure and Function
- KIN 110-3 Human Nutrition: Current Issues
- KIN 111-3 Food and Food Safety
- KIN 212-3 Food and Society
- KIN 311-3 Applied Human Nutrition

* or KIN 205-3 Introduction to Human Physiology

Students must also complete nine semester hours (three courses) of electives, chosen from the following.

- KIN 303-3 Kinanthropometry**
- KIN 312-3 Nutrition in Fitness and Sport
- KIN 375-3 Human Growth and Development
- KIN 430-3 Human Energy Metabolism**
- KIN 431-3 Environmental Carcinogenesis**
- GERO 407-3 Nutrition and Aging
- GERO 302-3 Health Promotion and Aging** (proposed course)

** not offered by Distance Education

Students must have a minimum 2.00 GPA calculated on courses counting toward the certificate. The certificate is normally completed within five years of admission to the certificate program. **Note:** if you plan to take both this certificate and the Certificate in

Health and Fitness Studies, you must get permission from the Kinesiology Undergraduate Advisor before you start.

1.1 Rationale for the Certificate

This certificate will require students to take five core courses, and three other courses from a list of seven electives. Three of the five core courses are already in place: KIN 105, 110 and 311. So are five of the electives: KIN 303, 375, 430 and 431 and GERO 302. One Gerontology course (Health Promotion and Aging), has been offered as a Special Topics course (GERO 411), and is being formalized as a course with its own number. The remaining three courses (KIN 111, 212 and 312) are proposed as new courses (Appendix A). All of the required courses and three of the electives are or will be offered by Distance Education, so students can complete the entire certificate by Distance Education if they wish.

The certificate was approved by the School of Kinesiology on June 20, 1996. The certificate, and the proposed courses which comprise it, are supported by Drs. Ron Marteniuk and Jack Blaney. The Innovation Fund has awarded money to develop the new courses at the LohnLab in the Centre for Distance Education. These courses will be offered on the Internet via Virtual U. So will the existing print-based Distance Education courses in the certificate. Thus, we have the potential to reach a wide audience, and make efficient use of University resources. Colin Yerbury has assured ongoing funding for these courses. A market survey (conducted by Josephine Neo and supervised by Dr. Bertram Schoner of the Faculty of Business Administration) shows strong demand for this certificate and these courses.

Programs for registered dietitians and nutritional biochemists exist at other Canadian universities. There are, however, many other professionals who need some nutritional education, and the two nutrition courses currently offered by Kinesiology (KIN 110 and 311) are not sufficient. These professionals include nurses, kinesiologists, coaches, personal trainers, teachers, food service supervisors, pharmacists, and health promotion workers. The shift toward community-based health care with an emphasis on preventive health will likely increase the demand for knowledge about the role of nutrition in the maintenance of good health and the prevention of disease.

Please see Appendix A for the "new course proposal" forms that describe KIN 111, 212 and 312.

FOR INFORMATION

(SCUS Reference: SCUS 97 - 44, 97-50)

(SCAP Reference: SCAP 97 - 49a)

a) School of Communication

Acting under delegated authority, SCUS approved curriculum revisions as follows:

Change of calendar description: Extended Minor Program

Change of calendar description: Major Program

New courses:

CMNS 326-4 Applied Media Workshop - On the Hill

CMNS 425-4 Applied Communication for Social Issues

Irregular admission to CMNS 259-3 Acoustic Dimensions of
Communication I (offered by Distance Education on the Internet)

FOR INFORMATION

(SCUS Reference: SCUS 97 - 45)

(SCAP Reference: SCAP 97 - 49b)

b) School of Computing Science

Acting under delegated authority, SCUS approved curriculum revisions as follows:

Change of Lower Division requirements for Certificate Program
New course:

CMPT 117-3 Introduction to Internet Programming - Java

Change of title and description: CMPT 102-3, 275-4

Change of prerequisite or corequisite: CMPT 101-4, 383-3, 384-3,
475-3

Change of vector: CMPT 150-3

Course deletions:

CMPT 290-3 Introduction to Digital Systems

CMPT 098-3 Computers, Applications and Programs

Changes to electives for Certificate in Liberal Arts

Change in requirements for specialist program in multimedia
computing

FOR INFORMATION

(SCUS Reference: SCUS 97 - 46)

(SCAP Reference: SCAP 97 - 49 c)

c) School of Engineering Science

Acting under delegated authority, SCUS approved curriculum revisions as follows:

Change of description: ENSC 220-4, 225-4, 305-1, 325-4, 340-4, 499-9

Change of prerequisite: ENSC 350-4

Course deletion:

ENSC 222-5 Electronic Design I

Changes to recommended course sequence section

- i) Electronics Engineering Option
- ii) Computer Engineering Option
- iii) Engineering Physics (Electronics) Option
- iv) Systems Option

FOR INFORMATION

(SCUS Reference: SCUS 97 - 47)

(SCAP Reference: SCAP 97 - 49d)

d) School of Kinesiology

Acting under delegated authority, SCUS approved curriculum revisions as follows:

Change of title: KIN 110-3

Change of prerequisite: KIN 203-3, 311-3, 481-3

Change of description: KIN 485-4, 497-3, 499-12

Change of Upper Division electives

Editorial changes to Calendar entry