

SIMON FRASER UNIVERSITY

S.72-100

MEMORANDUM

To	SENATE	From	I. MUGRIDGE, CHAIRMAN
			SENATE COMMITTEE ON UNDERGRADUATE STUDIES
Subject	DIVISION OF GENERAL STUDIES NEW COURSE PROPOSAL - KINESIOLOGY	Date	AUGUST 21, 1972

MOTION: "That Senate approve the new course proposal,
Kinesiology 366-3, as set forth in Paper S.72-100."

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The Senate Committee on Undergraduate Studies has approved a new course proposal, Kinesiology 366-3, as set forth in SCUS 72-18, and recommends approval to Senate.

In the event that the Department wishes to offer this course for the Spring semester 73-1, a waiver of the normal two semester time lag requirement will be required.

SIMON FRASER UNIVERSITY

MEMORANDUM

10	Mr. H. Evans, Secretary.....	From..... Robert C. Brown.....
	Senate Committee on Undergraduate Stud.....	A/Dean, General Studies.....
Subject	Course Proposal.....	Date..... August 4, 1972.....

Attached is a course proposal from the Department of Kinesiology for discussion at the next meeting of S. C. U. S. The course has been discussed by the Division Committee and is forwarded with a positive recommendation.

RCB:jc

SIMON FRASER UNIVERSITY

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Division of General Studies
NEW COURSE PROPOSAL

I CALENDAR INFORMATION

Department: Kinesiology

Course Number: 366 Title:
Components of Skilled Performance

Sub-title or Description:

A systems analysis of man as a skilled performer with emphasis being placed on the storage and retrieval of information in memory, decision making processes and the control of movement.

Credit Hours: 3

Vector Description: 2-1-0

Prerequisite(s): Psy. 201 General Experimental Psychology

II ENROLMENT AND SCHEDULING

Estimated Enrolment: 15-25

Semester Offered (e.g., Yearly, every Spring, twice yearly, Fall and Spring):

Yearly

When course will first be offered: 73-1

III JUSTIFICATION

A. What is the detailed description of the course including differentiation from lower level courses, from similar courses in the same department and from courses in other departments in the University?
This course will address the problems of definition of the component process which serve skilled performance and the characteristics of these processes which place limits on performance. It duplicates no other course currently offered by the University.

B. What is the range of topics that may be dealt with in the course?
Attention and filtering
Memory - storage, retrieval, encoding, rehearsal, models of memory
Signal detection - Statistical decision theory, vigilance
Information - A metric of performance
Decision Making - reaction time, information theory, speed-accuracy trade-off, reaction time models
Multiple decisions - time sharing, psychological refractory period
Movement control - feedback and Fitts Law, attentional demands of movement automation of movement, models of movement control.

C. How does this course fit the goals of the department?
Students in the department have the opportunity to study theory and methods of analysis for the physiological and biomechanical components of physical work. This course will complement those functions by providing a basis for assessing the mental requirements for skilled performance.

D. How does this course affect degree requirements?

Optional course

E. What are the calendar changes necessary to reflect the addition of this course?

Addition of course listing.

Students who have taken Kines. 420 for credit prior to 73-1 may not take Kines. 366 for credit.

F. What course, if any, is being dropped from the calendar if this course is approved?

None

G. What is the nature of student demand for this course?

It will be of particular interest to students who plan a career in teaching, supervisory positions in industry or in physical rehabilitation.

H. Other reasons for introducing the course.

The material in this course has been offered as Kines. 420 - Seminar in Kinesiology. It is desirable to free the seminar for its original purposes.

IV BUDGETARY AND SPACE FACTORS

A. Which faculty will be available to teach this course?

J.M. Montgomery

B. *What are the special space and/or equipment requirements for this course?*

None

C. *Any other budgetary implications of mounting this course:*

\$100.00

APPROVAL - Faculty Curriculum Committee:

Faculty:

Senate: