

MEMORANDUM

SENATE

From..... J. M. WEBSTER,

DEAN OF GRADUATE STUDIES

Subject..... PROPOSED GRADUATE CURRICULUM
CHANGES - KINESIOLOGY

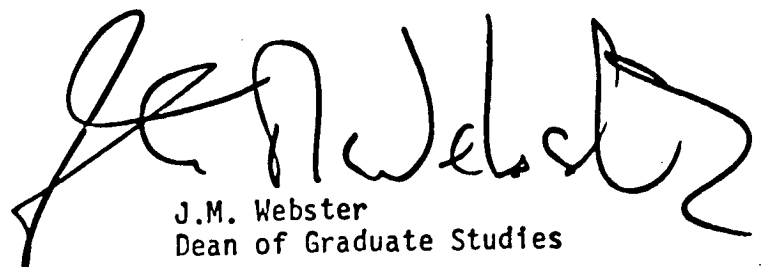
Date..... NOVEMBER 17, 1983

Action undertaken by the Senate Committee on Graduate Studies at its meeting of November 14, 1983, gives rise to the following motion:-

MOTION:

"That Senate approve and recommend approval to the Board of Governors, as set forth in S.83-109, the proposed changes in the Kinesiology graduate calendar including the following:-

- i) Under Admission, an addition Bio-chemistry option
- ii) A change pertaining to thesis submission
- iii) A change in time required for the degree
- iv) On the Ph.D. program a change in degree requirements
- v) On the Ph.D. program changes relating to qualifying examinations, comprehensive examinations.
- vi) A change in the dissertation proposal
- vii) A change in the time required for the Ph.D. degree
- viii) Change in description -
 - KIN. 805-3 Special Topics
 - KIN. 865-3 Neural Control of Movement"



J.M. Webster
Dean of Graduate Studies

SIMON FRASER UNIVERSITY

MEMORANDUM

o.....Marian McGinn.....
Assistant Registrar
.....Graduate Studies.....

From.....Meredith Kimball.....
Associate Dean
.....Faculty of I.D.S.....

Subject.....

Date.....1983-10-05.....

Kinesiology

Our File No. 1G2(a)

The Faculty of Interdisciplinary Studies Curriculum recommends the following calendar changes in the Kinesiology Graduate Calendar. (Specific word changes, as proposed, are underscored as follows):

Admission

Current description: (no deletions)

For admission requirements, refer to the General Regulations, page 211. Students must have at least 24 semester hours of appropriate undergraduate science courses.

Proposed addition:

BIOCHEMISTRY OPTION

Students planning an M.Sc. or Ph.D. degree in Biochemistry should refer to the Graduate Research in Biochemistry section (p.) of this calendar. Those who wish to complete the degree within the Kinesiology Department must meet the departmental requirements for admission, and the departmental degree requirements (described hereunder). However, their course selections will be made from the listing in the Graduate Research in Biochemistry section of the calendar.

M.Sc. (Kinesiology) Program

Thesis

Current description: (delete where underscored)

Prior to beginning formal research, the candidate will prepare a thesis proposal which will be circulated to faculty and resident graduate students. The thesis proposal will be formally presented for discussion at a Departmental open forum.

Upon completion of the thesis, a formal defense of work will be made to the Examination Committee at a Departmental open forum.

For further information and regulations, refer to the General Regulations, page 211.

Proposed changes: (add where underscored)

The Department encourages early submission of the thesis proposal which will be circulated to faculty and resident graduate students. The thesis proposal will be formally presented for discussion at a Departmental open forum. The thesis proposal must precede the thesis defence by at least four months. Upon completion of the thesis, a formal defense of work will be made to the Examination Committee at a Departmental open forum.

For further information and regulations, refer to the General Regulations, page 211.

Time Required for Degree

Current description: (delete where underscored)

It is anticipated that the requirements for the degree can normally be completed in four semesters.

Proposed change: (add where underscored)

It is anticipated that the requirements for the degree can normally be completed in six semesters.

Ph.D. Program

Degree Requirements

Current description: (delete where underscored)

Candidates will be admitted to the Doctoral program in an area defined and determined prior to acceptance by the Department Graduate Program Committee. The program must be within the capabilities of the student and the Department. The Ph.D. candidate will be expected to show competence in methodology relevant to the proposed research.

A Ph.D. candidate must normally complete a minimum of 24 semester hours of work beyond the B.Sc. degree. Of the 24 hours, at least 15 must be in Kinesiology courses numbered 800 or above.

The program of formal course-work and research is designed to suit the background and research objectives of each candidate and may differ widely from candidate to candidate.

A student may be directed to acquire an adequate knowledge of a language which would be relevant to his/her studies.

The candidate will present two seminars in addition to the dissertation proposal, on topics approved by the candidate's Supervisory Committee. These seminars will be presented during the regularly scheduled Departmental seminar time, normally between the first and sixth semesters. Both the timing and the subject matter of the seminars will be chosen by the Supervisory Committee in consultation with the candidate.

Proposed changes: (add where underscored)

Student(s) will be admitted to the Doctoral program in an area defined and determined prior to acceptance by the Department Graduate Program Committee. The program must be within the capabilities of the student and the Department. The Ph.D. student will be expected to show competence in methodology relevant to the proposed research.

A Ph.D. student must normally complete a minimum of 24 semester hours of graduate courses. Of the 24 hours, at least 15 must be graduate courses in Kinesiology.

Upon entrance to the Ph.D. program, the Graduate Program Committee will determine the number of hours of graduate credit which can be transferred from a masters degree.

The program of formal course-work and research is designed to suit the background and research objectives of each student and may differ widely from student to student.

A student may be directed to acquire an adequate knowledge of a language which would be relevant to his/her studies.

The student will present two seminars in addition to the dissertation proposal, on topics approved by the student's Supervisory Committee. These seminars will be presented during the regularly scheduled Departmental seminar time, normally between the first and sixth semesters. Both the timing and the subject matter of the seminars will be chosen by the Supervisory Committee in consultation with the student.

(5) Qualifying Examinations

Current description: (delete where underscored)

Qualifying Examinations

At a time set by the Supervisory Committee, and normally by the end of 6 semesters of residence the candidate will be required to sit written and oral qualifying examinations. The qualifying Examination Committee will consist of a minimum of five people, at least four of whom will be faculty members from the Department, including the Senior Supervisor and the Departmental Graduate Program Chairman (or designate, who will act as the Committee Chairman), plus one faculty member from outside the Department.

a) WRITTEN

There will be four examinations.

Part One: One examination paper will be devoted to the candidate's field of specialization and will be designed to permit the student to explore extensively the chosen area of research.

Part Two: The other three examination papers will be based upon three areas chosen by the Qualifying Examination Committee in consultation with the candidate. Decision of the Examining Committee is by simple majority. A student who fails in one or more examination may rewrite each failed examination once. Normally, any rewriting of failed examinations will be completed within one semester following the initial examination.

b) ORAL

Upon the successful conclusion of all written examinations, an oral examination will be held by the Qualifying Examination Committee. The student will be examined primarily in the areas covered by the written examinations, but questions may range over the entire discipline. A student who fails the oral examination may retake the oral examination once.

Proposed changes: (add where underscored)

Comprehensive Examinations

At a time set by the Supervisory Committee, and within six semesters of residence, the student will be required to sit written and oral comprehensive examinations. The Comprehensive Examination Committee will consist of a minimum of five people, at least four of whom will be faculty members from the Department, including the Senior Supervisor and the Departmental Graduate Program Chairman (or designate, who will act as the Committee Chairman), plus one faculty member from outside the Department.

a) WRITTEN

Part One: One examination paper will be devoted to the student's field of specialization and will be designed to permit the student to explore extensively the chosen area of research.

Part Two: The other three examination papers will be based upon three areas chosen by the Comprehensive Examination Committee in consultation with the student. Decision of the Examining Committee is by simple majority. A student who fails in one or more examination may rewrite each failed examination once. Normally, any rewriting of failed examinations will be completed within one semester following the initial examination.

b) ORAL

Upon the successful conclusion of all written examinations, an oral examination will be held by the Comprehensive Examination Committee. The student will be examined primarily in the areas covered by the written examinations, but questions may range over the entire discipline. A student who fails the oral examination may retake the oral examination once.

Dissertation

a) DISSERTATION PROPOSAL

Current description: (delete where underscored)

Upon successful completion of the Qualifying Examinations, the candidate will prepare a dissertation proposal which will be circulated to faculty and resident graduate students and will formally present this proposal for discussion at a Departmental open forum.

Proposed changes: (add where underscored)

Upon successful completion of the Comprehensive Examinations, the candidate will prepare a dissertation proposal which will be circulated to faculty and resident graduate students and will formally present this proposal for discussion at a Departmental open forum. The proposal must precede the dissertation defence by at least one year.

(7) Time Required for Degree

Current description: (delete where underscored)

It is anticipated that the requirements for the degree can normally be completed in nine semesters beyond the Bachelor's degree.

Proposed changes: (add where underscored)

It is anticipated that the requirements for the degree can normally be completed in 12 semesters beyond the B.Sc. degree, or nine semesters beyond the M.Sc. degree.

Changes in Course Descriptions

(8) KINES 805-3 Special Topics

Current description: (delete where underscored)

Seminar opportunity to develop under a faculty supervisor, special interest in considerable depth. Normally, KINES 805 may be taken in this Department not more than twice for credit toward any one degree.

Proposed changes: (add where underscored)

Seminar opportunity to develop under a faculty supervisor, special interest in considerable depth. Normally, KINES 805 may be taken not more than once for credit toward a degree.

(9) KINES 865-3 Neural Control of Movement (delete)

Current description: (delete where underscored)

The elaboration of cybernetic models for skill performance which includes information processing, statistical decision-making and control components. There will be emphasis on the functional factors in the central nervous system which limit skilled performance.

Proposed changes: (add where underscored)

The course covers the peripheral nervous system including reflexes and spinal cord organization in detail. This prepares the student with a thorough understanding of general functioning of the nervous system. In addition, the course covers the neurophysiology of the cerebellum, motor cortex, basal ganglia, vestibular system and other related structures involved in central control of movement. Laboratory demonstrations are part of the course.

Meredith Kimball

Meredith Kimball

MK:mf

cc: P. Bawa,
Kinesiology Department