

SM 10/7/67

Paper S-17

*Agenda
Kinesiology*

MEMORANDUM

To: Members of Senate

From: K. E. Rieckhoff, Chairman,
Interdisciplinary Committee
on Kinesiology.

Date: June 27, 1967.

Re: INTERDISCIPLINARY PROGRAM IN KINESIOLOGY

The Senate Committee on Kinesiology consisting of:

K. E. Rieckhoff, Chairman
J. C. Irwin, Faculty of Science
C. L. Kemp, Faculty of Science
G. Kirchner, Faculty of Education
C. D. Nelson, Faculty of Science
S. T. Stratton, Faculty of Education
H. Weinberg, Faculty of Arts

unanimously makes the following recommendations to Senate:

1. That the degree of B. Sc. (Kinesiology) be given to all students who satisfy the requirements of the Interdisciplinary Program in Kinesiology.
2. Requirements for the Interdisciplinary Program in Kinesiology leading to the degree of B. Sc. (Kinesiology) are:

Semester Hour Requirements - Outline

Bio.	29 hours
P. D. S.	23 hours
Chem.	15 hours
Math.	9 hours
Psychology	9 hours
Physics	6 hours
P. S. A.	3 hours
Elective	<u>26 hours*</u>

Total hours 120

* Students wishing to enter the Faculty of Education Professional Development Program would be required to complete:

Ed. 201-3	Theory of Education
Ed. 202-3	Education in a Modern Society

No more than 6 credit hours of the 26 electives should be at lower division work.

Lower Division

Bio.	101-4	Introduction to Biology
Bio.	102-4	Introduction to Biology
Bio.	201-3	Cell Bio. and Bio. Chemistry
Bio.	202-3	Genetics
Bio.	203-3	Development of Biology
Bio.	204-3	Ecology
Chem.	101-3	General Chemistry I
Chem.	106-2	Chemistry Lab.
Chem.	102-3	General Chemistry II
Chem.	116-2	Chemistry Lab.
Chem.	251-3	Organic Chemistry
Chem.	256-3	Organic Chemistry Lab.
Physics	101-3	General Physics I
Physics	102-3	General Physics II
Math.	101-3	Introduction to Statistics
Math.	113-3	Fund. Math. I
Math.	114-3	Fund. Math. II
Psych.	101-3	Historical Foundation of Contemporary Psychology
P. S. A.	121-3	Social Structure
Total hours	56	Semester Hours

Upper Division

Bio.	305-3	Animal Physiology
Bio.	316-3	Vertebrate Biology
Bio.	428-3	Experimental Techniques
Psych.	201-3	General Experimental Psychology
Psych.	380-3	Physiological and Comparative Psych.
P. D. S.	303-3	Human Growth and Physical Development
P. D. S.	306-4	Human Anatomy
P. D. S.	316-3	Functional Anatomy of Human Movement
P. D. S.	320-3	Cultural Aspects of Motor Performance
P. D. S.	401-4	Mechanics of Human Movement
P. D. S.	405-3	Physiology of Motor Activity
P. D. S.	420-3	Seminar - Kinesiology
Total hours	38	Semester Hours

Proposed Honors Program Requirement

As there are many directions in which the study of human movement may be pursued, it is proposed that the selection of the additional 12 semester hours of work for students wishing to follow an honors program in Kinesiology be left to the discretion of the student with the approval of the committee. The honors program would, however, require students to complete an honors paper as part of their total requirements.

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3. Course descriptions for new courses offered in the program are as follows:

Course Number: P. D. S. 303-3

Course Title: Human Growth and Physical Development

Course Credit: 3 semester hours (2 hours lecture (2-1-3)
1 hour tutorial
3 hours laboratory)

Prerequisite: P. D. S. 306 (Human Anatomy) or permission of instructor.

Course Description: The processes, stages and characteristics of normal human physical development, and the genetic and environmental variations in human motor behavior.

Course Number: P. D. S. 306-4

Course Title: Human Anatomy

Course Credit: 4 semester hours (2 hours lecture (2-0-5)
5 hours laboratory)

Prerequisite: Bio. 316

Course Description: Systemic and regional human anatomy including the dissection of primates.

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Course Number:

P. D. S. 316-3

Course Title:

Functional Anatomy

Course Credit:

3 semester hours (2 hours lecture (2-0-3)
3 hours laboratory)

Prerequisites:

P. D. S. 306

Course Description:

The dynamics of anatomy. Topics include arthrology, neuromuscular integration, functional adaptation, and common anomalies.

Course Number:

P. D. S. 320-3

Course Title:

Cultural Aspects of Motor Performance

Course Credit:

3 semester hours (2 hours lecture (2-1-0)
1 hour tutorial)

Prerequisite:

Fifth semester status or permission of instructor.

Course Description:

An analysis of the cultural aspects of physical activities with reference to salient political, social and economic factors in past and present societies.

Course Number:

P. D. S. 401-4

Course Title:

Mechanics of Human Movement

Course Credit:

4 semester hours (2 hours lecture (2-1-4)
1 hour tutorial
4 hours laboratory)

Prerequisite:

P. D. S. 316

Course Description:

The characteristics both unique and common, involved in varied human movements; the principles involved in performance of human motor skills, and the methods and techniques of mechanical and functional analyses of human motor performance.

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Course Number: P. D. S. 405-3

Course Title: Physiology of Motor Activity

Course Credit: 3 semester hours (2 hours lecture (2-1-3)
1 hour tutorial
3 hours laboratory)

Prerequisites: Bio. 305 (Animal Physiology), P. D. S. 306
(Human Anatomy).

Course Description: The role of physiological functions in physical performance; the immediate reciprocal effects of physical performance on physiological functions; and the extent and meaning of long-term functional changes occurring as a result of physical performance.

Course Number: P. D. S. 420-3

Course Title: Seminar - Kinesiology

Course Credit: 3 semester hours (1 hour lecture (1-2-2)
2 hours tutorial
2 hours laboratory)

Prerequisites: Psy. 380, P. D. S. 401, P. D. S. 320.

Course Description: Seminar treatment of selected biological, sociological and psychological principles of man as they relate to his motor behavior covered more generally on lower division courses. In addition to intensive reading and discussion, students will ordinarily be expected to undertake individual projects under supervision.

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4. The Committee makes the following administrative proposals:

- (a) That the Department of Physical Development Studies be charged with the day-by-day administrative details such as:

- student advising
- maintenance of records
- correspondence
- other matters which normally arise in the operation of a departmental major program.

- (b) That those administrative details requiring cooperative actions on the part of separate departments be initiated by the Head of the P. D. S. Department and that, in the event that cooperative agreement cannot be reached, the department heads concerned would have recourse through the committee. The details which might feasibly require some cooperative agreement would include:

- staff appointments and assignments
- budgeting and expenditures
- facility needs and assignments
- timetabling

- (c) That the Interdisciplinary Committee on Kinesiology be responsible for those administrative details which might normally be handled by a Faculty. These would include such matters as recommendations to Senate and other appropriate bodies concerning the operation of the Kinesiology Program. Specifically the committee should be responsible for:

- 1) Recommending to Senate where necessary on matters of Curriculum including courses and course revisions.
- 2) Recommending to Senate on budgetary requirements for curriculum, facilities and for staff for the continuing operation of the program.

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- 3) Recommending to Senate those students, who having satisfactorily completed degree requirements should receive a degree.
- 4) Recommending to Senate on matters similar to the above as they may pertain to graduate programs in Kinesiology.
- 5) For the honors program the student will be required to have a "B" average in his lower division work and will have to be approved by the Committee.
- 6) Recommendations regarding transfer of students above the fifth semester will have to be made through this Committee.