

3M 5/14/66

3K

Interdiscip. Program
Genetics

PROPOSED INTERDISCIPLINARY PROGRAM

for the

STUDY OF HUMAN MOVEMENT

The following paper represents a proposal to the University Senate for the development of an interdisciplinary Program for the advancement of the study of human movement. The justification for the development of such a program appears in Appendix A. The areas of study of concern to the student of human movement may be identified as being studies related to human structure and function, human motor development and performance, and the inter-relationships of human development and social change. The program is designed to permit students to concentrate their studies in these areas while satisfying the requirements for a bachelors degree.

The course requirements for the proposed degree program are as follows:

SCIENCE REQUIREMENTS

The majority of the course requirements for the first two years would be identical to those for all biology science majors so that students might develop a basic foundation in the biological sciences before preceeding to a study of man with respect to movement. It is anticipated that within these courses it will be possible for students following this program to emphasize animal biology and in particular as it relates to man.

Lower Division:

Bio.	101-4	- Intro Bio.
Bio.	102-4	- Intro. Bio.
Bio.	201-3	- Cell Bio. & Bio. Chem.
Bio.	202-3	- Human Genetics
Bio.	203-3	- Developmental Bio.
Bio.	204-3	- Ecology
Chem.	101-3	- Gen. Chem. <u>1</u>
Chem.	106-2	- Chem. Lab.
Chem.	102-3	- Gen. Chem. <u>11</u>
Chem.	116-2	- Chem. Lab.
Chem.	251-3	- Organic Chem. <u>1</u>
Chem.	256-2	- Organic Chem. Lab.
Physics	101-3	- Gen. Physics <u>1</u>
Physics	102-3	- Gen. Physics <u>11</u>
Math	101-3	- Intro. to Statistics
Math	111-3	- Fund. Math <u>1</u>
Math	112-3	- Fund. Math <u>11</u>

Upper Division:

Bio.	305-3	-	Animal Physiology
Bio.	316-3	-	Vertebrate Zoology
Bio.	425-3	-	Physiology Laboratory

ARTS REQUIREMENTS

In that an understanding of human movement must include study of man as a social organism, it is further proposed that a number of Arts courses be included within the course requirements for students following this proposed program.

Lower Division

P.S.A.	121-3	-	Social Structure
Psych.	201-3	-	General Experimental Psychology

Upper Division

Psych.	380-3	-	Physiological and comparative Psychology
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PHYSICAL DEVELOPMENT CENTRE REQUIREMENTS

In that many of the knowledges important to the study of human movement are not presently systematically organized into existing academic courses, the proposed program includes a number of new courses to be taught by the Physical Development Centre. (Course outlines are included in Appendix B.)

* P.D.	301-3	-	Human Anatomy
* P.D.	303-3	-	Human Growth and Physical Development
* P.D.	306-4	-	Applied Anatomy of Human Movement
P.D.	320-3	-	Sociology of Human Movement
P.D.	401-4	-	Mechanics of Human Movement
* P.D.	405-3	-	Physiology of Motor Activity
P.D.	420-3	-	Human Motor Behavior

*These courses have been accepted by the Department of Biological Sciences as acceptable elective courses for meeting the requirements of a B. Sc. degree with a major in Biology.

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Graduate Program
Genetics . . . 3

OUTLINE OF SEMESTER HOUR REQUIREMENTS

	<u>SEMESTER HOURS</u>
Science	59
Arts	9
Physical Development Centre	23
Elective	
Lower Division . . .	4
Upper Division . . .	<u>25</u>
Total	120

As there are many directions in which the study of human movement may be pursued, it is proposed that the selection of work for students wishing to follow an honors program in this area be left to the discretion of the student with the approval of his advisor. The honors program would, however, require students to complete honors paper as well as satisfying the credit hours requirement.