

HENDRIX

PROPOSED REVISION FOR MAJOR OR MINOR

Deadline for Area approval: 21 October 2011

Proposer: Mark Sutherland

Date: October 3, 2011

Department/Program: Kinesiology

Area: Social Science

Check appropriate boxes:

- ☐ New major/minor/related changes
- ☒ Change in major
- ☐ Change in minor

Proposed change—one sentence summary:

We propose to change the Allied Health major by the addition of two new tracks (Exercise Science and Public Health) and reorganizing the core and concentration requirements to better fit student needs.

Proposed subject code: NA

Proposed catalog copy for requirements: Attached

Rationale within departmental and collegiate context and based on assessment results:

The Allied Health major prepares students for a remarkably broad array of career choices. The graduate and professional schools that our majors will be applying to have highly diverse requirements for admissions. It has been a constant struggle to make sure that students can get all the courses they need for their particular career choice within the existing framework of the major. To give students the flexibility they need, it is necessary for us to offer a variety of tracks (concentrations) within the major. In addition, we are proposing to add two new tracks, further increasing the diversity of the courses we need to provide. To best serve our students, we are ^{proposing} ~~proposing to~~ reduce the number of core courses for the major to those few needed for all the tracks, and then adding a larger set of required ^{courses} ~~courses~~ plus some electives within each track. This is a departure from the current major which has a larger set of core courses and then a small set of electives in each track. The total number of courses for the major remains unchanged. We feel that the new arrangement will ensure that students get the courses they need without adding more courses to what is already a large number of courses in the major.

Our proposed changes include a major revision of the Capstone Experience description. The previous description was too vague, so the proposed changes describes what we are actually doing with the Capstone. There is also a change to the prerequisites and catalog description of the Directed Research course to better reflect the way the course is being done now.

The two new concentration areas are in Exercise Science and Public Health. National reports show that Exercise Science is one the fastest growing interests among prospective students with excellent job opportunities following graduate school at either the masters or PhD level. Public Health may be an even more rapidly growing discipline with documented strong interest among current Hendrix College students and among our prospective students.

The only new course that is part of the major is a Biology course (Microbes and Human Health) which will be offered ~~and~~ as an alternative to the upper level Microbiology course. Most Allied Health programs prefer a human-focused clinical microbiology course than the general microbiology course needed by Biology majors. The proposal for this course has been submitted by the Biology Department to the Natural Science Area.

We will also be proposing a new minor in Public Health. The catalog text is included in this attachment, but we will submit a separate proposal form specifically for the minor.

Proposers are welcome to attach additional documentation for more complex proposals, such as the addition of a major or minor.

Approval Chain (type name and date of approval)

Department chair: Mark Sutherland, October 3, 2011

Area chair: Allison Shutt, 10/25/11

ALLIED HEALTH MAJOR

The Allied Health Major consists of 13 courses distributed between four core courses plus nine courses from one concentration area. Each concentration includes required courses and an appropriate set of electives. Concentrations are offered which prepare students for graduate or professional schools in Exercise Science, Physical/Occupational Therapy, Physicians Assistant, Nursing, and Public Health.

Core Courses

BIOL 150 Cell Biology
CHEM 110 General Chemistry I: Chemical Structures and Properties
KINE 410 Directed Research
PSYC 290 Statistics
OR
BUSI 250 Principles of Statistics
OR
MATH 215 Statistical Analysis

Nine courses from one of the following concentration areas.

Preparatory to Exercise Science Graduate Programs

- Required Courses:
 - CHEM 120 General Chemistry II: Chemical Analysis and Reactivity
 - KINE 205 Anatomy and Physiology I
 - KINE 215 Anatomy & Physiology II
 - KINE 290 Motor Development
 - KINE 330 Structural Kinesiology
 - KINE 360 Physiology of Exercise
- Elective Courses (at least three)
 - KINE 110 Responding to Emergencies
 - KINE 200 Care and Prevention of Exercise and Sports Injuries
 - KINE 260 Nutrition
 - KINE 370 Fitness Assessment and Exercise Prescription
 - PHYS 210 General Physics I
 - PHSY 220 General Physics II
 - PSYC 360 Behavioral Neuroscience

Preparatory to Physical/Occupational Therapy

- Required Courses
 - CHEM 120 General Chemistry II: Chemical Analysis and Reactivity
 - PHYS 210 General Physics I
 - PHYS 220 General Physics II
 - KINE 205 Anatomy and Physiology I
 - KINE 215 Anatomy and Physiology II
 - KINE 330 Structural Kinesiology
 - KINE 360 Physiology of Exercise
 - PSYC 210 Developmental Psychology

- Elective Courses (at least one)
 - KINE 110 Responding to Emergencies
 - KINE 290 Motor Development
 - PSYC 360 Behavioral Neuroscience
 - KINE 370 Fitness Assessment and Exercise Prescription

Preparatory to Physician Assistant

- Required Courses
 - BIOL 250 Genetics
 - BIOL ~~2XX~~²³⁵ Microbes and Human Health w/BIOL 340-L
 - OR
 - BIOL 340 Microbiology
 - CHEM 120 General Chemistry II: Chemical Analysis and Reactivity
 - CHEM 240 Organic Chemistry I
 - KINE 205 Anatomy and Physiology I
 - KINE 215 Anatomy and Physiology II
 - KINE 360 Physiology of Exercise
- Elective Courses (at least two)
 - BIOL 430 Immunology
 - CHEM 250 Organic Chemistry II
 - KINE 110 Responding to Emergencies
 - KINE 370 Fitness Assessment and Exercise Prescription
 - KINE 330 Structural Kinesiology

Preparatory to Nursing (*No 300-level course required*)

- Required Courses
 - CHEM 120 General Chemistry II: Chemical Analysis and Reactivity
 - BIOL 250 Genetics
 - BIOL ~~200~~²³⁵ Microbes and Human Health w/ BIOL 340-L
 - OR
 - BIOL 340 Microbiology
 - CHEM 240 Organic Chemistry I
 - KINE 205 Anatomy and Physiology I
 - KINE 215 Anatomy and Physiology II
 - PSYC ~~210~~ Developmental Psychology
- Elective Courses (at least two)
 - CHEM 250 Organic Chemistry II
 - KINE 110 Responding to Emergencies
 - KINE 260 Nutrition
 - TART 110 The Art of Public Speaking

Preparatory to Public Health

- Required Courses
 - BIOL 200 Microbes and Human Health w/ BIOL 340-L
 - OR
 - BIOL 340 Microbiology

KINE 235 Introduction to Public Health
KINE 340 Epidemiology
KINE 265 Theory of Health Behavior

OR

POLI 235 Public Policy

- Elective Courses (at least five)

EVST 110 Introduction to Environmental Studies
HIST 227-E Medicine and Disease in Pre-Modern Europe
KINE 205 Anatomy and Physiology I
KINE 215 Anatomy and Physiology II
KINE 260 Nutrition
KINE 265 Theory of Health Behavior
PHIL 225 Ethics and Medicine
POLI 235 Public Policy
POLI 305-A Arkansas Politics: Seminar
POLI 306-A Arkansas Politics: Practicum
PSYC 295 Research Methods or SOCI 335 Research Methods
PSYC 351 Health Psychology
SOCI 340 Food, Culture and Nature
SOCI 380 Medicine and Culture
TART 110 The Art of Public Speaking

Senior Capstone Experience

Allied Health majors will choose from one of the following categories, and then culminate the experience with a project, a paper on the project, and a formal presentation. The Directed Research course (KINE 410) is designed to teach the skills necessary for successful completion of the Capstone experience and should be taken prior to starting the Capstone project. The Capstone grade will be an average of the paper and presentation grades. All projects must be approved by the Kinesiology Department prior to the start of the project.

Senior capstone experience options:

- Research Project: This option includes completion of an applied research project in the student's emphasis area.
- Internship: This option includes a paper and presentation based on a practical internship experience.

Minor in Public Health

The diverse issues encountered in Public Health make the minor appropriate for students majoring in Biology, Politics, Psychology, Sociology and other disciplines. This minor is not available to students who major in Allied Health. The minor consists of five required courses and one elective distributed as follows:

- Required Courses

BIOL 235 Microbes and Human Health w/BIOL 340-L

OR

BIOL 340 Microbiology

KINE 235 Introduction to Public Health
KINE 340 Epidemiology
KINE 265 Theory of Health Behavior
OR
POLI 235 Public Policy
PSYC 290 Statistics
OR
BUSI 250 Principles of Statistics
OR
MATH 215 Statistical Analysis

- Elective Courses (at least one)
KINE 260 Nutrition
KINE 265 Theory of Health Behavior
PHIL 225 Ethics and Medicine
POLI 235 Public Policy
PSYC 351 Health Psychology
SOCI 380 Medicine and Culture

For students who are committed to a career which includes Public Health, Hendrix College has a joint BA/MPH program with the College of Public Health at the University of Arkansas for Medical Sciences. The program is described elsewhere in this catalog.