UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by:  Susan J. Hall  phone number x4909

Department:  Health, Nutrition, and Exercise Sciences  email address sjhall@udel.edu

Action:  add concentration

Effective term  10F

Current degree  MS

Proposed change leads to the degree of:

Proposed name:  Clinical Exercise Physiology

Revising or Deleting:

Undergraduate major / Concentration:

Undergraduate minor:

Graduate Program Policy statement change:

Graduate Program of Study:  MS Exercise Science

Graduate minor / concentration:

List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?

HESC671, Clinical Exercise Physiology Internship, is a 9-credit requirement in the proposed concentration. This requirement is designed to provide students with essential hands-on experience working in a clinical exercise physiology setting. HESC671 is variable credit (3-9 credits) so that students may either do all 9 credits at once or spread them over as many as three terms. Forty hours of work per credit are required. The UD professor assigned supervision of the internship will determine the P/F grade in consultation with the on-site supervisor. Weekly, structured, written reports summarizing activities and observations will be required of students during the internship. Any student who is already employed in a clinical exercise physiology setting will not be allowed to use his/her existing job for the internship experience.

Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.

List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?

(If there are no new courses enter “None”)

Identify other units affected by the proposed changes:

(Attach permission from the affected units. If no other unit is affected, enter “None”)

N/A
Describe the rationale for the proposed program change(s):
(Explain your reasons for creating, revising, or deleting the curriculum or program.)

The concentration in Clinical Exercise Physiology will provide students with the opportunity to develop an in depth knowledge of and hands-on experiences in preventive and rehabilitative practices for patients with cardiopulmonary, metabolic, and musculoskeletal diseases as well as apparently healthy and low risk populations. Clinicians will act as part of a health care team that develops exercise recommendations, administers diagnostics tests and provides guidance that promotes healthy lifestyles. The concentration will also help students prepare for the American College of Sports Medicine’s (ACSM) clinical exercise physiology registry examination (RCEP) and/or the ACSM’s clinical exercise specialist certification, which focuses on cardiovascular and pulmonary rehabilitation. This program offers core requirements that must be completed by all students and elective courses that permit the student to choose courses in areas of interest to them.

Program Requirements:
(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and include a side-by-side comparison of the credit distribution before and after the proposed change.)

Master of Science in Clinical Exercise Physiology (Non-Thesis)

The Clinical Exercise Physiologist Specialization is designed to be a 2 year, non-thesis program. Students wishing to pursue research careers or doctoral degrees may choose to complete the thesis requirements in Exercise Physiology.

Credit requirements:
Required Credits within Exercise Science: 15
Elective Credits: 9
Internship: 9
Total number of required credits: 33

A. Required courses in Exercise Science:
HESC 655 Advanced Exercise Physiology 3
HESC 665 12 Lead ECG Interpretation 3
HESC 675 Exercise Testing and Prescription 3
HESC 804 Clinical Measures in Exercise Physiology 3
HESC 654 Medical Physiology 3
Total from Area A 15

B. A minimum of 3 courses from the following:
HESC 651 Neurophysiological Basis of Movement 3
NTDT 615 Advanced Nutrition and Physical Activity 3
NTDT 640 Nutrition and Aging 3
NTDT 680 Exercise, Nutrition, and Bone Health 3
HESC 802 Human Cardiovascular Control 3
HLPR 809 Health Behavior Theory 3
HLPR 815 Health and Aging 3
Total from Area B 9

C. Internship:
HESC 671 Clinical Exercise Physiology Internship 9
Total from Area C 9
ROUTING AND AUTHORIZATION:  (Please do not remove supporting documentation.)

Department Chairperson ___________________________ Date __11/18/09_________
Dean of College ___________________________________ Date ______________
Chairperson, College Curriculum Committee __________ Date __________________
Chairperson, Senate Com. on UG or GR Studies __________ Date ______________
Chairperson, Senate Coordinating Com. ________________ Date ______________
Secretary, Faculty Senate ___________________________ Date __________________
Date of Senate Resolution ___________________________ Date to be Effective ______
Registrar _________________________________________ Date ______________
Vice Provost for Academic Affairs & International Programs _______________________ Date ______________
Provost _____________________________________________ Date ______________
Board of Trustee Notification __________________________ Date __________________

Revised 10/23/2007  /khs