REVISED 01/23/09

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 __x2265________
Department: Health, Nutrition & Exercise Sciences email address________________

Action: add minor
(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term 09F
(use format 04F, 05W)

Current degree________________________________________________________________
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of:
Proposed name: Exercise Science
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Revising or Deleting:

Undergraduate major / Concentration: Applied Music – Instrumental degree BMAS
(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor:________________________________________________________
(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change:
(Must attach your Graduate Program Policy Statement)

Graduate Program of Study:____________________________________________________
(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration:________________________________________________

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)?
(Identify other units affected by the proposed changes: (Attach permission from the affected units. If no other unit is affected, enter “None”)

NONE

Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education: http://www.ugs.udel.edu/gened/

Many of the required courses within the proposed new minor involve quantitative reasoning and critical thinking, and therefore support goals 1 and 2.

Identify other units affected by the proposed changes: (Attach permission from the affected units. If no other unit is affected, enter “None”)

Permission from the Department of Biology attached.

Describe the rationale for the proposed program change(s): (Explain your reasons for creating, revising, or deleting the curriculum or program.)
With the burgeoning public awareness of chronic health issues such as obesity, type II Diabetes, osteoarthritis, and osteoporosis, there is heightened interest in interventions that can prevent or help manage these conditions. The proposed minor will serve as a vehicle for students in majors other than exercise science who are planning careers in the health sciences and clinical fields to acquire knowledge regarding the mechanical, neurological, and physiological aspects of exercise.

**Program Requirements:**

**MINOR IN EXERCISE SCIENCE**

This minor is designed for students in majors other than exercise science who are planning careers in the health sciences and clinical fields and who wish to acquire knowledge regarding the mechanical, neurological, and physiological aspects of exercise. Students applying for the minor must have completed at least one semester of full-time study with a minimum GPA of 2.0. A grade of C- or better in required courses is needed for successful completion of the minor.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BISC 276 Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>BISC 306 General Physiology</td>
<td>3</td>
</tr>
<tr>
<td>HESC 220 Anatomy &amp; Physiology</td>
<td>3</td>
</tr>
<tr>
<td>HESC 375 Neuromechanical Basis of Human Motion</td>
<td>3</td>
</tr>
<tr>
<td>HESC 426 Biomechanics I</td>
<td>4</td>
</tr>
<tr>
<td>HESC 428 Motor Control and Learning</td>
<td>3</td>
</tr>
<tr>
<td>HESC 429 Motor Control and Learning Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>HESC 430 Physiology of Activity</td>
<td>3</td>
</tr>
<tr>
<td>HESC 431 Physiology of Activity Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Credits** 21/22

**Prerequisite Courses:**

- **PREREQ for BISC 276:** BISC 207 or BISC 208; and CHEM 101, CHEM 103, CHEM 105, or CHEM 111
- **PREREQ for BISC 306:** BISC 208 and 2 semesters of chemistry
- **PREREQ for HESC 310:** BISC 276 or BISC 306
- **PREREQ for HESC 426:** PHYS 201 or PHYS 207, and HESC 310; COREQ: HESC 375
- **PREREQ for HESC 428:** HESC 310 and HESC 375; COREQ HESC 429
- **PREREQ for HESC 430:** HESC 310 or HESC 220; COREQ HESC 431

**ROUTING AND AUTHORIZATION:** (Please do not remove supporting documentation.)

- **Department Chairperson** Date 1/22/09
- **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** Program Code Date
- **Vice Provost for Academic Affairs & International Programs** Date
- **Provost** Date
- **Board of Trustee Notification** Date

Revised 10/23/2007 /khs