Curriculum Committee:

The exercise science faculty and the department of Health and Human Performance propose adding CHEM 101 and CHEM 102 to the cognate offerings for the exercise science major. These courses were a part of the exercise concentration for several years, but were omitted when the paperwork was prepared for the new exercise science major. The Exercise Science faculty learned that MUSC physical therapy program (DPT, and a primary goal of a number of HEHP students) accepts either the CHEM 101/102 or CHEM 111/112 as part of their requirements. The change gives Exercise Science students a wider range of chemistry options from which to choose.

Sincerely,

Mike Flynn
Chair
FACULTY CURRICULUM COMMITTEE
CHANGE/DELETE PROGRAM FORM

Instructions:
- Please fill out all of the portions of the form that are specified in section B. You must do this before your request can move forward!
- Remember that your changes will not be implemented until the next catalog year at the earliest.
- If you have questions, please start by checking the detailed instructions on the website.
- Please feel free to contact the committee chair with any remaining questions you might have.

A. CONTACT INFORMATION.

Name: William R. Barfield  Phone: 953.6746  Email:barfieldw@cofc.edu
School: Education, Health & Human Performance  Department or Program: Health & Human Perf
Name and Acronym of Major: EXSC

B. CATEGORY OF REVIEW. Please check all that apply, then fill out the specified parts of the form.

  Change Request (fill out all sections)
  X Add an existing course to requirements or electives
  □ Delete courses from requirements or electives (attach completed course form for each)
  □ Add or modify concentration*
  □ Add or modify cognate*

  *Note: Only concentrations and cognates requiring 18 or more credit hours will be tracked in Banner and Degree Works and noted on the transcript.

□ Terminate Program (fill out E, G, H, and I)
  □ Terminate degree
  □ Terminate major
  □ Terminate concentration
  □ Terminate cognate

C. GENERAL INFORMATION

Number of Current Credit Hours (for existing program): 48
Number of Proposed Credit Hours (for changed program): 48
Catalog Year in which changes will take effect: FALL 2014

D. CURRICULUM. Please list every change you are making below AND attach the current Program of Study Worksheet for this major (http://registrar.cofc.edu/program-of-study-worksheets/index.php) with changes marked in RED. Additions should show where the course will be inserted, deletions should be noted by crossing out the course, and moves indicated with arrows. Distinguish between required and elective courses, and note any prerequisites, corequisites, sequencing, or other restrictions. Provide the catalog description and course list exactly as they should appear in the catalog. For each new course, submit the Curriculum Committee’s Course Form and a sample syllabus.

This form was last updated on 6/6/2013 and replaces all others.  Page 1 of 3
E. RATIONALE AND EXPLANATION. Please provide a narrative addressing the request you are making and why you are making it.
We are proposing adding CHEM 101 + L and CHEM 102 + L to the list of chemistry cognate offerings. Students can currently take CHEM 111 + L and CHEM 112 + L. This class requests will provide other options in chemistry for exercise science majors.

F. STUDENT LEARNING OUTCOMES AND ASSESSMENT.

<table>
<thead>
<tr>
<th>Student Learning Outcomes</th>
<th>Assessment Method and Performance Expected</th>
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<tr>
<td>What will students know and be able to do when they complete the major or program?</td>
<td>How will each outcome be measured? Who will be assessed, when, and how often? How well should students be able to do on the assessment?</td>
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Additional Outcomes or Comments:

The student learning outcomes will be based on the CHEM 101 and CHEM 102 requirements.

G. IMPACT ON EXISTING PROGRAMS AND COURSES. Please describe the impact of this request on other programs and courses. If you are deleting a program, please describe the effect on all programs that will be impacted; if you are adding or changing a program, please explain any overlap with existing programs at the College.

The impact on the exercise science curriculum will be minimal. The purpose of the other chemistry classes will be to provide options for exercise science majors.
H. COSTS ASSOCIATED WITH THE REQUESTED ACTION. List all of the new costs or cost savings (including new faculty/staff requests, library, or equipment) associated with your request. No additional costs are anticipated.

I. CHECKLIST

☐ I have completed all relevant parts of the form.

☐ I have attached a cover letter that describes my request and lists all the documents I am submitting.

☐ I have attached a Course Form for each newly-created or modified course.

☐ (For proposals that affect other departments in any way) I have attached an acknowledgement from the relevant department.

☐ I have provided the complete curriculum for the program, concentration, emphasis, etc., including the description and course list, exactly as it should appear in the catalog.

☐ I have submitted one Signature Form that lists all of the different forms I am submitting.
FACULTY CURRICULUM COMMITTEE
SIGNATURE PAGE

• In section A, list ALL of the forms covered by this signature page. If you submit a form that is not listed in A, your proposal will be held back until we receive a new, updated signature page.
• You must obtain the signature of your department chair and dean before submitting your proposal.

A. FORMS COVERED BY THIS SIGNATURE PAGE. List each form you are submitting—for instance, PSYC 383, Course Form; PSYC, Change of Major Form; PSYC, Change of Minor Form.

Adding CHEM 101 and CHEM 102 to the cognate

B. APPROVAL AND SIGNATURES.

1. Signature of Department Chair or Program Director:  
   ____________________________  ____________________________
   Michael G. Flynn               Date:

2. Signature of Academic Dean:  
   ____________________________  ____________________________
   Date: 12/6/13

3. Signature of Provost:  
   ____________________________  ____________________________
   Date: 1/5/14

4. Signature of Business Affairs (only for course fees):
   ____________________________  ____________________________
   Date: ________________________  □ fee approved on _________
   □ BOT approval pending

5. Signature of Curriculum Committee Chair:  
   ____________________________  ____________________________
   Date: ________________________

6. Signature of Budget Committee Chair (only for new programs):
   ____________________________  ____________________________
   Date: ________________________

7. Signature of Academic Planning Committee Chair (only for new programs):
   ____________________________  ____________________________
   Date: ________________________

8. Signature of Faculty Senate Secretary:  
   ____________________________  ____________________________
   Date: ________________________

Date Approved by Faculty Senate: ________________________
Exercise Science Major Requirements
Catalog Year: 2013-14
Degree: Bachelor of Science
Credit Hours: 71+

"PR" indicates a pre-requisite. "CO" indicates a co-requisite.

Courses within this major may also satisfy general education requirements. Please consult http://registrar.cofc.edu/general-edu for more information.

Required Courses
- [ ] BIOL 201 Human Physiology (4) PR: BIOL 111/111L; BIOL 112/112L
- [ ] BIOL 202 Human Anatomy (4) PR: BIOL 111/111L; BIOL 112/112L
- [ ] MATH 104 Elementary Statistics (3) PR: MATH 101 or placement
  OR
  - [ ] MATH 250 Statistical Methods (3) PR: Either MATH 111, 120 or instructor permission

Core Requirements
- [ ] EXSC 201 Introduction to Health and Human Performance (cross-listed with PEHD 201)(3) PR: None
- [ ] EXSC 210 Concepts in Fitness Assessment and Exercise Prescription (3) PR: None
- [ ] EXSC 330 Kinesiology (3) PR: BIOL 202; EXSC 201 or PEHD 201
- [ ] EXSC 340 Exercise Physiology and Lab (4) PR: BIOL 201; EXSC 201 or PEHD 201
- [ ] EXSC 433 Research Design & Analysis (3) PR: EXSC 330; EXSC 340; MATH 104 or 250
- [ ] EXSC 440 Biomechanics (3) PR: EXSC 201 or PEHD 201; EXSC 330; PHYS 101
- [ ] EXSC 498 Capstone in Exercise Science (2) PR: EXSC 433; permission of instructor
- [ ] PEHD 45B Organization and Administration in Health and Human Performance (3) PR: EXSC 201 or PEHD 201; senior standing

24 credit hours selected from the following:

- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

ATEP 365 General Medical Conditions in Athletics (3) PR: ATEP 345; BIOL 201; or instructor permission

ATEP 430 Therapeutic Exercise (3) PR: ATEP 245; ATEP 345; EXSC 330; BIOL 201; BIOL 202; or BIOL 201; BIOL 202; EXSC 201; EXSC 330; or instructor permission; CO: ATEP 430L

ATEP 430L Therapeutic Exercise Lab (1) CO: ATEP 430

ATEP 437 Therapeutic Modalities (3) PR: ATEP 245 or EXSC 201; ATEP 345; CO: ATEP 437L

ATEP 437L Therapeutic Modalities Lab (1) CO: ATEP 437

EXSC 401 Independent Study (3) PR: EXSC 201 or PEHD 201; instructor permission

EXSC 438 Advanced Topics in Resistance Training and Conditioning (3) PR: BIOL 201, 202; EXSC 340; or instructor permission.

EXSC 439 Advanced Topics in Exercise Physiology (3) PR: EXSC 340; or instructor permission.

EXSC 444 Scientific Writing and Data Analysis (3) PR: Senior standing

HEAL 216 Personal & Community Health (3) PR: None
HEAL 333  Sports and Exercise Nutrition (3) PR: BIOL 201
HEAL 350  Epidemiology (3) PR: HEAL 215
PEHD 235  Motor Learning (3) PR: None
PEHD 355  Sports Psychology (3) PR: EXSC 201 or PEHD 201; PSYC 103; or instructor permission

Cognate Requirement (12 credit hours: 8 credit hours of CHEM and 4 credit hours of PHYS or 4 credit hours of CHEM and 8 credit hours of PHYS)

☐ CHEM 111  Principles of Chemistry (3) PR or CO: Unless students exempt MATH 111 (via diagnostic testing) or have completed this course as a pre-requisite, they are required to take MATH 111 as a co-requisite. CO: CHEM 111L
☐ CHEM 111L or CHEM 101/101L
☐ PHYS 101  Introductory Physics (3) PR: None; CO or PR: PHYS 101L
☐ PHYS 101L  Introductory Physics Lab (1) CO: PHYS 101

AND

☐ CHEM 112  Principles of Chemistry (3) PR: CHEM 111 and 111L; CO: CHEM 112L
☐ CHEM 112L  Principles of Chemistry Lab (1) CO: CHEM 112

OR

☐ PHYS 102  Introductory Physics II (3) PR: PHYS 101 or PHYS 111 or HONS 157; CO: PHYS 102L
☐ PHYS 102L  Introductory Physics Lab (1) CO: PHYS 102

OR

CHEM 102
CHEM 102L

In other words:

\[
\left( \text{CHEM 111/111L or CHEM 101/101L} \right) \text{ AND (PHYS 101/101L)} \]

\[ \text{AND (CHEM 112/112L or CHEM 102/102L or PHYS 102/102L)} \]

9/6/2014