2014-2015 SHORT SIGNATURE SHEET

Date: ETCM 11-04-15

Subject: Minor change to Mechanical Engineering Technology Prerequisites

Originating Department: Engineering Technology and Construction Management

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approved
*To: Mehdi Miri

From: Nan A. Byars

Date: November 4, 2015

Re: Minor Change to Four-Year Mechanical Engineering Technology Undergraduate Curriculum

**SUMMARY:** The proposed change is:

Change one prerequisite for ETME 3213 from ETME 3113 to ETME 2102. This prevents a potential bottleneck in the curriculum.

**PROPOSED CATALOG COPY:**

**ETME 3213 - Machine Design I**

Credit Hours: (3)

Analysis and design of clutches, brakes, belts and roller chain. Indeterminate normal loading, superposition of stresses and deflections, compound stresses, columns, and fatigue. Theories of failure. Shaft design, deflections of shafts with non-uniform moments of inertia involving computer verification. Antifriction bearings, engineering materials, helical compression springs. Small mechanical component and system designs.
FOR CONSULTATION WITH OTHER DEPARTMENTS:

1. Does the proposed change affect other departments (including additions and/or changes to degree requirements or prerequisites offered in other departments)?
   
   ______ Yes   ___x_____ No

2. If Yes, please list the other departments affected by the proposed change:

3. Have you consulted with each department listed in item 2 regarding the proposed change?

   N/A

Result(s) of Consultation(s) (please attach documentation):

4. For a new course or for major modification of an existing course, include Consultation on Library Holdings.

5. For proposals involving Honors courses or programs, include written consultation with the Honors Council.

RESOURCES:

1. For a new course or revisions to an existing course, check all the statements that apply:
   
   ___ This course will be cross listed with another course.
   ___x___ There are prerequisites for this course.
   ___x___ There are co-requisites for this course.
   ___ This course is repeatable for credit.
   ___ This course will affect the number of credits hours for its program.
   ___ This proposal results in the deletion of an existing course(s) from the degree program and/or catalog.
   ___ This proposal will alter an agreement with a North Carolina community college.

   For all items checked above, applicable statements and content must be reflected in the proposed catalog copy.

2. Indicate the additional resources required, if any, to implement and maintain the proposed change.

CREDIT HOUR (Mandatory if new and/or revised course in proposal):

Revised 05/06/14
OAA/mjw
Review statement and check box once completed.

☐ The appropriate faculty committee has reviewed the course outline/syllabus and has determined that the assignments are sufficient to meet the University definition of a credit hour.

ACADEMIC PLAN OF STUDY (UNDERGRADUATE ONLY): Does the proposed change impact an existing Academic Plan of Study?

☐ Yes. If yes, please provide updated Academic Plan of Study in template format.

☒ No.

STUDENT LEARNING OUTCOMES (UNDERGRADUATE & GRADUATE): Does this course or curricular change require a change in SLOs or assessment for the degree program?

☐ Yes. If yes, please provide updated SLOs in template format.

☒ No.

TEXTBOOK COSTS: It is the policy of the Board of Governors to reduce textbook costs for students whenever possible. Have electronic textbooks, textbook rentals, or the buyback program been considered and adopted?

☐ Yes. Briefly explain below.

☒ No. Briefly explain below.

This change does not affect textbook selection.

IMPORTANT NOTE: A Microsoft Word version of the final course and curriculum proposal should be sent to facultygovernance@uncc.edu upon approval by the Undergraduate Course and Curriculum Committee and/or Graduate Council chair.