

2014-2015 SHORT SIGNATURE SHEET



UNC CHARLOTTE

Date: ETCM 11-04-15

Subject: Minor change to Mechanical Engineering Technology Prerequisites

Originating Department: Engineering Technology and Construction Management

TYPE OF PROPOSAL: UNDERGRADUATE X GRADUATE _____ UNDERGRADUATE & GRADUATE _____
 (Separate proposals sent to UCCC and Grad. Council)

| DATE RECEIVED | DATE FORWARDED | COMMENTS: APPROVED, APPROVED WITH REVISIONS, ETC. | SIGNATURES |
|---------------|----------------|--|---|
| | 11/4/15 | | <u>PERSON ORIGINATING PROPOSAL</u> Nan Byars |
| 11/4/15 | 11/5/15 | Approved | <u>DEPARTMENT CHAIR</u> Anthony Brizendine |
| 11/23/15 | 12/7/15 | Approved | <u>COLLEGE CURRICULUM COMMITTEE CHAIR</u> Mehdi Miri |
| | 12/7/15 | Approved | <u>COLLEGE DEAN</u> Robert Johnson |
| | | Approved | <u>GENERAL EDUCATION</u> (if applicable; for General Education courses only) [print name here:] |
| | | Approved | <u>HONORS COLLEGE</u> (if applicable; for Honors courses & programs) [print name here:] |
| | | Approved | <u>UNDERGRADUATE COURSE & CURRICULUM COMMITTEE CHAIR</u> (for undergraduate courses only) |
| | | Approved | <u>GRADUATE COUNCIL CHAIR</u> (for graduate courses only) |
| | | | <u>FACULTY GOVERNANCE ASSISTANT</u> (received and processed in Academic Affairs) |



UNC CHARLOTTE

SHORT FORM COURSE AND CURRICULUM PROPOSAL

*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.

Prerequisite(s): ETME 2130, ~~ETME 3443~~ ETME 2102, and ETME 3123

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):

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.
X 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.
X 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.
X 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.