

2014-2015 SHORT SIGNATURE SHEET




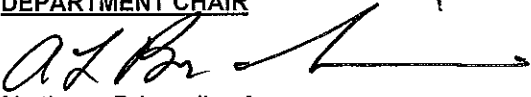
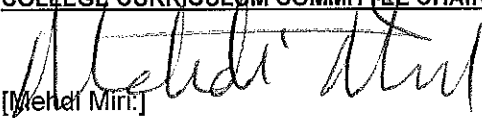
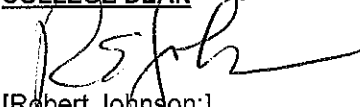
UNC CHARLOTTE

Date: January 29, 2016

Subject: Course Addition & Prerequisite Correction

Originating Department: Engineering Technology and Construction Management (ETCM)

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

DATE RECEIVED	DATE FORWARDED	COMMENTS: APPROVED, APPROVED WITH REVISIONS, ETC.	SIGNATURES
	1/29/16		PERSON ORIGINATING PROPOSAL  [Deborah Sharer:]
2/11/16	2/11/16	Approved	DEPARTMENT CHAIR  [Anthony Brizendine:]
		Approved	COLLEGE CURRICULUM COMMITTEE CHAIR  [Mehdi Miri:]
3/20/16	3/21/16	Approved	COLLEGE DEAN  [Robert Johnson:]
		Approved	GENERAL EDUCATION (if applicable; for General Education courses only) [print name here:]
		Approved	HONORS COLLEGE (if applicable; for Honors courses & programs) [print name here:]
		Approved	UNDERGRADUATE COURSE & CURRICULUM COMMITTEE CHAIR (for undergraduate courses only)
		Approved	GRADUATE COUNCIL CHAIR (for graduate courses only)
			FACULTY GOVERNANCE ASSISTANT (received and processed in Academic Affairs)



UNC CHARLOTTE

SHORT FORM COURSE AND CURRICULUM PROPOSAL

*To: Undergraduate Course and Curriculum Committee Chair

From: Deborah Sharer

Date: January 29, 2016

Re: Course Addition & Prerequisite Correction

SUMMARY: The Department of Engineering Technology and Construction Management proposes:

1. The addition of a course numbered ENER 4000 to allow co-listing of undergraduate major electives and a course numbered ENER 5000 (submitted in a separate proposal) for graduate electives.
2. Prerequisite correction for ETGR2171 to reflect the correct MATH ACT score for MATH1103.
3. Prerequisite and course description correction for MATH1121 to be the same as ETGR2171.

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 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?
_____ Yes _____ No

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.

Library consultation provided in conjunction with proposal for creation of ENER 5000.

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

N/A

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.
 There are prerequisites for this course.
 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.

None

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.

PROPOSED CATALOG COPY:

ENER 4000. Special Topics. (1-4) Prerequisite: Senior standing in Engineering Technology or Construction Management or permission of the department. Examination of specific new areas which are emerging in the various fields of engineering technology and/or construction management. The course builds upon the knowledge the students have gained from their

engineering technology and/or construction management curriculum. *May be repeated for credit.*

ETGR 2171. Engineering Analysis I. (3) Prerequisite: MATH 1103 with grade of C or above or MATH ACT 2423. Technical problem solutions utilizing analytical geometry and differential calculus. Topics include: limits, differentiation, curvilinear motion, related rates, optimization problems, and transcendental functions. Cross-listed as: MATH 1121.

MATH 1121. Calculus for Engineering Technology. (3) Prerequisite: MATH 1103 with grade of C or above or MATH ACT 2423. Intended for students majoring in Engineering Technology or Construction Management. Technical problem solutions utilizing analytical geometry and differential calculus. Topics include: limits, differentiation, curvilinear motion, related rates, optimization problems, and transcendental functions. ~~Elements of differential and integral calculus for polynomial, rational, exponential, logarithmic and trigonometric functions, with applications to engineering.~~ May not be taken for credit and a grade if credit has been received for MATH 1120 or MATH 1241 with grade of C or above. Cross-listed as ETGR 2171.

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.

Each course in the college is scrutinized with the object of keeping textbook costs down. The courses defined in this proposal will be no exception to this practice.

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.

Appendix: Proposed Course Outline

ENER 4000 – Special Topics

Catalog Description: Examination of specific new areas which are emerging in the various fields of engineering technology and/or construction management. The course builds upon the knowledge the students have gained from their engineering technology and/or construction management curriculum. (1-4 hours) *May be repeated for credit.*

Prerequisite: Senior standing in Engineering Technology or Construction Management or permission of the department.

Course Outcomes: To be determined by instructor based on course topics.

Instructional Method: This course will primarily be delivered via lecture, with graduate students responsible for additional independent study and dissemination.

Means of Student Evaluation: Students taking this course for graduate credit will be required to research and disseminate findings on areas of topical interest in addition to undergraduate course requirements. Grade calculations will be determined by instructor based on course requirements.

University Policies and Information: The following statements are provided to ensure compliance with federal regulations and SACS standards, as detailed in <http://legal.uncc.edu/legal-topics/classroom-policies-and-practices/suggested-standard-syllabus-policies#disability>.

- **Code of Student Academic Integrity**
Students have the responsibility to know and observe the requirements of the UNC Charlotte Code of Student Academic Integrity. This code forbids cheating, fabrication or falsification of information, multiple submission of academic work, plagiarism, abuse of academic materials, and complicity in academic dishonesty. Students are expected to submit their own work, either as individuals or contributors to a group assignment. Faculty may ask students to produce identification at examinations and may require students to demonstrate that graded assignments completed outside of class are their own work. Violations of the Code will result in disciplinary action.
- **Code of Student Responsibility**
Students are expected to uphold the University's Code of Student Responsibility. The purpose of the Code is to protect the health, safety, welfare, and property of the campus community; foster the personal, social, and ethical development of members; provide an environment conducive to learning; and encourage and create a community that values scholarship, integrity, respect, accountability, dignity, honor, compassion, character, and nobility. Violations of the Code will result in disciplinary action.
- **Rights and Responsibilities in Obtaining Disability Accommodations:**
Students with disabilities may qualify for special academic accommodations. Students are encouraged to consult with the Office of Disability Services prior to the beginning of the semester to understand their rights and follow policies and procedures.
- **Definition of a Credit Hour**

To ensure compliance with the federal and SACS definition a credit hour, the following examples are provided.

- A 3-credit course requires three hours of classroom or direct faculty instruction and six hours of out-of-class student work for the equivalent of approximately 15 weeks. Out-of-class work may include but is not limited to: required reading; homework; studying for quizzes and exams; research; written assignments; and project design, simulation, testing and demonstration.

- A 1-credit laboratory course requires 2.75 hours of classroom or direct faculty instruction and 2 hours of out-of-class student work each week for approximately fifteen weeks. Out-of-class work may include but is not limited to: required reading, library research, laboratory preparation, and preparing lab reports.

*May be modified to accommodate varying credit hours or instructor expectations.

Suggested Textbook: To be determined by instructor based on course content

Class Topics: To be determined by instructor based on course content.