REQUEST FOR A COURSE CHANGE
University of Central Oklahoma

Course Subject (Prefix), Number, and Title:

<table>
<thead>
<tr>
<th>Existing</th>
<th>Course Subject</th>
<th>Number</th>
<th>Course Title (maximum of 30 spaces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR</td>
<td>3303</td>
<td></td>
<td>Engineering Probability &amp; Stat</td>
</tr>
</tbody>
</table>

Proposed:

Proposed Title: (full course title if longer than 30 characters)

Proposed change(s) to this course: Mark all that apply.

<table>
<thead>
<tr>
<th>Credit Hour</th>
<th>Level</th>
<th>Title</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Enrollment</th>
<th>Restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Other</td>
<td>Co-requisite</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

CIP Code If changing, what is the new code?

For more information regarding CIP codes contact your department chair or visit: http://www.uco.edu/academic-affairs/r/program_inventory.asp.

Course description:

As it appears in the current catalog. (required)

This course presents concepts of statistics and probability applicable to engineers and statistical analysis of measured experimental data. Topics covered with engineering applications are probability distributions, sampling distributions, hypothesis testing, parameter estimation, inferences, and computer software for statistical analysis of measured experimental data.

Existing: software for statistical analysis of measured experimental data.

As it will appear in the next catalog or indicate no change. (Please use standard American English including full sentences.)

Course descriptions only. Do not include prerequisites or enrollment restrictions, these should be added under questions 9-15.

Proposed: No Change

Engineering and Physics

Department submitting the proposal

Yuhao Jiang
Person to contact with questions

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email address

5472 Ext. number

Approved by:

Department Chairperson

College Curriculum Committee Chair

College Dean

Academic Affairs Curriculum or Graduate Council

Office of Academic Affairs

Effective term for this course change

(assigned by the Office of Academic Affairs)
1. Does this course have an undergraduate / graduate counterpart?
   ___ Yes  ___ No

2. Is this proposal part of a larger submission package including a program change?
   ___ Yes  ___ No

3. Does this course affect a teacher preparation program? (All courses required for any teacher preparation program must have approval from the Council on Teacher Education (CTE) before approval from AACC or Graduate Council.)
   ___ Yes  ___ No  If yes, send copy of proposal to the Education Curriculum Committee Chair, Dr. Darla Fent.

   The proposal has been submitted to Dr. Fent on 07/27/2020.

   CTE Approval (Stamp or initial) __________________________

4. Is this course currently listed in the University Core?
   ___ Yes  ___ No  If you wish this course be listed in the University Core, submit University Core course proposal.

5. Is this course a prerequisite for any other course(s)?
   ___ Yes  ___ No  If this change affects the prerequisite, complete course change proposal to delete or change prerequisite.

6. Is this course a requirement in any major or minor?
   ___ Yes  ___ No  If this change impacts the requirement of any major or minor, complete program change proposal.

7. Does this course affect majors or minors outside the department?
   ___ Yes  ___ No  If yes, provide name(s) of department chair(s) contacted, the dates, and the results of the discussion.

   This course is part of the curriculum for the currently-proposed Computer Engineering B.S., which the Department of Engineering & Physics developed as a joint degree through discussions in 2019 and 2020 with Dr. Gang Qian from Computer Science.

8. List all majors or minors which include this changed course as a requirement or elective. (Yes, major or minor by title not major code)

   Current: Mechanical Engineering, Mechanical Engineering, Electrical Engineering, Electrical Engineering, Biomedical Engineering, Biomedical Engineering, Engineering Physics, Physics, Science Education

   Proposed New Program: BS Computer Engineering

9. Prerequisite courses:
   Will the prerequisite courses change?  ___ Yes  ___ No  If yes, fill out below, if no leave blank.

   NOTE: Adding a "new course" as a prerequisite to an existing course will likely cause enrollment problems.

   As listed at the end of the course description in the current catalog. (Required)

   Existent: ENGR 2303 and 2311
   Proposed: MATH 2333 and PHY2114

   Example 1: MATH 1213 and (MATH 2165 or MATH 2185) and CHEM 1213
   Example 2: (ACCT 2113 and 2213) and (MGMT 3013 or 3613)

   Example 3: 8 hours of biology including BIO 1404

10. Co-requisite(s): Prerequisite courses that may be taken in the same semester.
    Will the co-requisite(s) change?  ___ Yes  ___ No  If yes, fill out below, if no leave blank.

    As listed at the end of the course description in the current catalog. (Required)

    Existent: Concurrent enrollment in ENGR 2303 and 2311
    Proposed: None

11. Concurrent enrollment: Courses that must be taken the same semester. Example: lab courses.
    Will the concurrent enrollment change?  ____ Yes  ___ No  If yes, fill out below, if no leave blank.

    As listed at the end of the course description in the current catalog. (Required)
Proposed:

12. Does this course currently have enrollment restrictions? If adding or changing enrollment restrictions answer questions 13-15. If not changing or add enrollment restrictions leave questions 13-15 blank.
   
   Yes x No

13. Specify which major(s) may or may not take this course.
   Will the major(s) restriction change? Yes x No
   
   Specifying a major, excludes all other majors from enrolling.
   
   Existing (as appears in current catalog)
   Check one: May ___ May not ___
   Major Code: 

   Proposed (if changing)
   Check one: May ___ May not ___
   Major Code: 

14. Which of the following student classification(s) may enroll in this course?
   Will the classification restriction change? Yes x No
   
   Existing (as appears in current catalog)
   Check all that apply:
   Graduate (2) 19 + hours ___
   Graduate (1) 0-18 hours ___
   Post Baccalaureate ___
   Senior ___
   Junior ___
   Sophomore ___
   Freshman ___

   Proposed (if changing)
   Check all that apply:
   Graduate (2) 19 + hours ___
   Graduate (1) 0-18 hours ___
   Post Baccalaureate ___
   Senior ___
   Junior ___
   Sophomore ___
   Freshman ___

15. Specify other restrictions for this course, if any.
   Will other restrictions change? Yes x No
   
   Existing (as appears in current catalog)
   Admission to Graduate Programs ___
   Admission to Nursing Program ___
   Admission to Teacher Education ___
   Other: ___

   Proposed (if changing)
   Admission to Graduate Programs ___
   Admission to Nursing Program ___
   Admission to Teacher Education ___
   Other: ___

16. Course objectives for this course: (Please refer to instructional objectives documents at http://www.uco.edu/academic-affairs/faculty-staff/aacc.asp#FAQ/HelpfulHints.)
   If previously approved objectives will be used without any changes, check here X
   As they appear in the course syllabus.
   Existing:

   Proposed:
   As they will appear in the updated syllabus.

17. Please provide a concise, yet comprehensive, statement that explains the specific reasons for requesting the change(s). Include any documentation or assessment information available supporting this specific request.
   This course previously had a laboratory component that required that students be able to make electrical measurements that were taught in ENGR 2303 Electrical Science and ENGR 2311

Academic Affairs Form
August, 2015
Electrical Science Lab. This was removed several years ago, but the prerequisite was not changed at that time. The new prerequisites for ENGR 3303 are the prerequisite and corequisite courses for ENGR 2303 and ENGR 2311. They provide the necessary math and physics background for this course.

18. Clearly explain how the characteristics of this course meet or exceed those outlined in Course Level Characteristics. Complete this question only if requesting a course level change. (Copy and paste table from "Course Level Characteristics" document for the appropriate course level of proposed course. Document may be found on: http://www.uco.edu/academic-affairs/files/aacc/forms/CLC%20table4_07.pdf.

N/A