REQUEST FOR A COURSE CHANGE
University of Central Oklahoma

Course Subject (Prefix), Number, and Title:

<table>
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<tr>
<th>Course Subject</th>
<th>Number</th>
<th>Course Title (maximum of 30 spaces)</th>
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<tbody>
<tr>
<td>Existing:</td>
<td>CHEM</td>
<td>4454 Advanced Instrumental Analysis Laboratory</td>
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<tr>
<td>Proposed:</td>
<td>CHEM</td>
<td>4454 Environ Chem Analysis Lab</td>
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Proposed Title: (full course title if longer than 30 characters)
Environmental Chemistry Analysis Laboratory

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

___ Credit Hour ___ Level ___ Title ___ Description ___ Prerequisite ___ Enrollment Restriction
___ Other: ____________________________________________

___ 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/ir/program_inventory.asp.

Course description:

Existing: This laboratory course accompanies CHEM 4454. Concurrent enrollment in CHEM 4454 is required.

As it appears in the current catalog. (required)

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.

Chemistry
Department submitting the proposal

Eric Eithreim eeithreim@uco.edu 5519
Person to contact with questions email address Ext. number

Approved by:

Luis D. Montes 10/28/2020 Britney Hopper 11/03/2020
Department Chairperson Date College Curriculum Committee Chair Date
(Please notify department chair when proposal is forwarded to dean.)

Michelle Caudill 11/13/2020
College Dean Date
(Please notify department chair when proposal is forwarded to AA.)

JCGS Dean (for Graduate Proposals) Date

Office of Academic Affairs Date

Effective Term (assigned by AA)

Functional Review (undergraduate proposals only)
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
   CTE Approval (Stamp or initial)______________________________

4. Is this course currently listed in the University Core?
   If you wish this course be listed in the University Core, submit University Core course proposal.

   ___ Yes  ___ No

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

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

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

8. List all majors or minors which include this changed course as a requirement or elective.
   (list major or minor by title not major code)
   Chemistry – Environmental Chemistry (proposed), Chemistry-Chemistry, Chemistry-ACS Certificate, Chemistry – Health Sciences, Science Education-Chemistry

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

   Existing:
   ____________________________

   Proposed:
   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.

    Existing:
    ____________________________

    Proposed:
    ____________________________

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.

    Existing:
    ____________________________

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

13. Specify which major(s) may or may not take this course. 
   Will the major(s) restriction change?  ___ Yes  x No  
   If yes, fill out below, if no leave blank. 
   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  
   If yes, fill out below, if no leave blank. 
   **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  
   If yes, fill out below, if no leave blank. 
   **Existing** (as appears in current catalog)  ___ 
   **Proposed** (if changing)  ___ 

16. Course objectives for this course:  (Please refer to instructional objectives documents at:  
   https://spaces.uco.edu/display/aacccproposals/UCO+AACC-main+page+UCOAACC-mainpage-faq-helpful-hints.) 
   If previously approved objectives will be used without any changes, check here  
   ___  
   As they appear in the course syllabus. 
   **Existing:**  The major focus of this course is on providing an in-depth coverage of analytical instrumentation used in chemical analysis. 
   **Proposed:**  Upon successful completion of this course students should be able to: 
   1. Employ sampling techniques for air, water, and soil environmental samples. 
   2. Demonstrate sample preparation methods for air, water, and soil samples for chemical analysis. 
   3. Identify appropriate chemical analysis methods for an environmental sample. 

   As they will appear in the updated syllabus.
4. Operate chemical analysis instrumentation used for environmental samples.
5. Interpret environmental data obtained from chemical analysis instrumentation.
6. Explain the theory behind the instrumentation selected for chemical analysis.

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.
   We are submitting a proposal to change the title of CHEM 4454 from Advanced Instrument Analysis & Laboratory to Environmental Chemical Analysis & Laboratory. This proposal is to change the title of the accompanying lab, CHEM 4454L, which must be taken concurrently.

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: https://spaces.uco.edu/display/aaccproposals/UCO+AACC-main+page#UCOAACC-mainpage-faq-helpful-hints).
   No change