REQUEST FOR A COURSE CHANGE
University of Central Oklahoma

Course Subject (Prefix), Number, and Title:

Existing: CMSC 5373 Web Server Programming

Proposed: Cloud Web Apps Development

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:
As it appears in the current catalog. (required)

This course examines theory and practice of server-side programming for World Wide Web, including study on presentation logic, business logic, session control, and database management. The course also includes extensive practice in a specific server-side programming language. (Assign by the Office of Academic Affairs)

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. This course covers development of frontend and backend web applications on a cloud computing platform. Emphasis will be placed on the application of cloud database, cloud storage, and cloud functions. Extensive practice on the security rules in protecting data and the deployment of web applications on a serverless cloud platform is included.

Computer Science

Department submitting the proposal

Hong Sung hsung@uco.edu 5385
Person to contact with questions email address Ext. number

Approved by:

Department Chairperson Date

College Curriculum Committee Chair Date

(please notify department chair when proposal is forwarded to dean.)

College Dean Date

(please notify department chair when proposal is forwarded to AA.)

Academic Affairs Curriculum or Graduate Council Date

Effective term for this course change Date

(Assigned by the Office of Academic Affairs)

(undergraduate proposals only)
1. Does this course have an undergraduate / graduate counterpart?  
   X Yes   ___ No

2. Is this proposal part of a larger submission package including a program change?  
   ___ Yes   X 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   X No   If yes, send copy of proposal to the Education Curriculum Committee Chair, Dr. Darla Fent

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   X 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   X 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   X 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.  
   X Yes   ___ No

Dr. Jesse Byrne, Chair of the Math and Statistics Department, was informed of the change by email on February 28, 2020. Dr. Byrne expressed no objection to the proposal.

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)
   Computer Science and Applied Math and Computer Science

9. Prerequisite courses:  
   Will the prerequisite courses change?  X 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)

   Existing:  CMSC 3103 or SE 3103
   Proposed:  SE 3103
   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   X No   If yes, fill out below, if no leave blank.

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

    Existing:  
    Proposed:  

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

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

    Existing:  
    Proposed:
12. Does this course currently have enrollment restrictions?
   Yes [ ] No [X] 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 [ ] No [X] 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 [ ] No [X] 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 [ ] No [X] If yes, fill out below, if no leave blank.

   **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/Helpful%20Hints.)
   If previously approved objectives will be used without any changes, check here [X]

   **Existing:** As they appear in the course syllabus.

   **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.

Cloud computing adoption is on the rise every year because enterprises recognize cloud computing benefits. By using a cloud-based solution, an enterprise can prevent problems caused by on-premises infrastructure. The contents of this course have been updated to the current state of the technologies, which utilizes a cloud-based platform in developing web applications. The proposed course title and description will better reflect the contents of the course.

We also propose to change the prerequisite of the course from 'CMSC 3103 or SE 3103' to 'SE 3103'. CMSC 3103 has been removed from the catalog for multiple years; it is time to take it off from the prerequisite list of 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