

THE UNIVERSITY OF NORTH CAROLINA AT ASHEVILLE
FACULTY SENATE

Senate Document Number 6417S
Date of Senate Approval 05/04/17

Statement of Faculty Senate Action:

APC Document 57 (CSCI):

**Delete CSCI 448;
Add new course, CSCI 338**

Effective Date: Fall 2017

1. Delete: On page 117, the entry for **CSCI 448:**

448 Systems Development Management (3)

Study of the management issues in the system development process. Current topics of concern to information systems managers will be covered through instructor and guest lectures, journal readings and directed research. Prerequisite: senior-level standing in Computer Science. Fall.

2. Add: On page 117, new course, **CSCI 338:**

338 Software Engineering (3)

A project oriented course in which students working in teams complete one or more projects encompassing software design and development. Students will develop their communication skills by writing project requirements, creating and evaluating prototypes, interfacing with end users, and developing and implementing test plans. Prerequisites: CSCI 235, 333. Spring.

Impact: CSCI 448 was last scheduled Fall 2014. Since we will continue to allow Software Engineering to substitute for the CSCI 448 requirement in CSCI curriculums prior to Fall 2017, removing CSCI 448 from the catalog should have minimal impact. CSCI 338 will be required in both concentrations, so will be offered every Spring.

Rationale: Since Fall 2015, we have offered a special topics course on Software Engineering instead of CSCI 448: Systems Development Management. In the current curriculum, students demonstrate writing competency in computer science by successfully completing the software engineering offering. In our proposed CSCI curriculum, CSCI 338 serves as a required core course that further develops our students' writing skills and is a critical component of our writing competency curriculum. The student learning outcomes of this course also include the development of student collaboration skills. Since students are expected to develop a significant software application, CSCI 338 has the prerequisites of Systems I (CSCI 235) and Data Structures (CSCI 333).