Submitted by: Jennifer A. Polack  |  Date Prepared: 10/23/14

Department/Discipline(s) and Course Number(s): CPSC 430

Course Title: Software Engineering

Type of change (check all applicable):
Number* _____ Title_____ Credits_____ Description _X__ Prerequisites _X__ Deletion_____ Cross list**__

*This course number must be approved by the Office of the Registrar before the proposal is submitted.

**To cross list courses between departments/colleges, there should be two cover sheets submitted with the proposal – one by the chair of each department with signatures from the relevant College Curriculum Committee Chair.

Effective Date: FALL Semester, Year 2015

Current Catalog Entry

430 – Software Engineering (4)
Prerequisite: CPSC 330. Techniques for modeling, designing, implementing, and managing large scale computer programs are studied. Studies include Object-Oriented Analysis and Design, modeling using UML, and application development with a CASE tool. Students work in groups and apply the techniques studied to semester-long projects.

Proposed Catalog Entry

430 – Software Engineering (4)
Prerequisite: CPSC 240, 340, and 350. Techniques for modeling, designing, implementing, and managing large scale computer programs are studied. Studies include software process models, modeling using UML, and application development with a CASE tool. Students work in groups and apply the techniques studied to semester-long projects.

JUSTIFICATION (including impact on majors, minors, concentrations, and general education courses within the University curriculum; attach additional pages if required)

To reflect renumbering of the CPSC intro sequence and we have found that students in 430 are best served if they have CPSC 350 already completed as most course projects involve a database. Additionally, we are requesting an update to the catalog description to reflect the topics currently emphasized in the course. While object-oriented analysis and design (OOA&D) once received attention in this course, we have since created a required course focused just on this topic. As a result, we no longer cover OOA&D in the software engineering course. Instead, we focus attention on various software process models including the waterfall model, evolutionary development models, and agile models.

TRANSITION PLAN (describe how will students who are in Catalogs where the course is required for a major be accommodated; attach additional pages if required)

Students in the catalog where 330 is a pre-requisite will be allowed to take the course to fulfill the requirement.

Approvals

Department Chair  Jennifer A. Polack  Date: 10/13/14

College Curriculum Chair  Date: 11/20/14

Expedited course changes are posted for a 10-class day comment period. If no comments are raised during that time, the proposal becomes final. All expedited proposals approved in this way will be noted on the UCC web site.

If comments are raised, the proposal may be reviewed by the UCC and then approved or it may be returned to the CCC for