Submitted by: Jennifer A. Polack  
Date Prepared: 11/3/2014

**Department/Discipline(s) and Course Number(s): CPSC 220**

**Course Title:** Computer Programming and Problem Solving

**Type of change (check all applicable):**

<table>
<thead>
<tr>
<th>Number</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Deletion</th>
<th>Cross list</th>
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*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

<table>
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<th>Current Catalog Entry</th>
<th>Proposed Catalog Entry</th>
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<tr>
<td>CPSC 220 – Computer Programming and Problem Solving (4): Prerequisite: CPSC 109 or 110 or permission of instructor. Continued coverage of disciplined problem-solving and algorithmic development including emphasis on procedural and data abstraction. Topics include elementary data structures such as arrays, files, and classes. The notions of data modeling and the linking of data type definitions with their associated operations is introduced. Study of program design, coding, debugging, testing, and documentation in a higher level language that supports the object-oriented paradigm. Intended for students who have had previous programming experience.</td>
<td>CPSC 220 – Computer Programming and Problem Solving (4): Prerequisite: CPSC 109 or 110 or 219 or permission of instructor. Continued coverage of disciplined problem-solving and algorithmic development including emphasis on procedural and data abstraction. Topics include elementary data structures such as arrays, files, and classes. The notions of data modeling and the linking of data type definitions with their associated operations is introduced. Study of program design, coding, debugging, testing, and documentation in a higher level language that supports the object-oriented paradigm. Intended for students who have had previous programming experience.</td>
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**JUSTIFICATION** *(including impact on majors, minors, concentrations, and general education courses within the University curriculum; attach additional pages if required)*

Because CPSC 219 is significant preparation for CPSC 220. They will learn about variable, loops, if statements, functions data types and how to program in a programming language.

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**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)*

This change does not affect people who are in catalogs where the course is an elective for the major.

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**Approvals**

**Department Chair**

Jennifer Polack

Date: ____________________

**College Curriculum Chair**

Dawn S. Bowen

Date: ____________________

*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 additional deliberation (as required).*