

William Paterson University  
College of Science and Health - Department of Computer Science

Fall 2013 – Spring 2015 Assessment Cycle  
Analysis of the Course Coverage and Assessment Report Data

**Course Number:** CS2600

**Course Coordination Committee Members:** Cyril Ku, John Najarian (chair)

**Date:** June 26, 2015

**A. Course Prerequisites/Co-requisites**

a) **Problems/Issues Identified:** None

b) **Suggestions for Improvement:** N/A

**B. Course Objectives**

a) **Problems/Issues Identified:** None

b) **Suggestions for Improvement:** N/A

**C. Course Student Learning Outcomes**

a) **Problems/Issues Identified:** None

b) **Suggestions for Improvement:** N/A

**D. Course Content**

a) **Problems/Issues Identified:** None

b) **Suggestions for Improvement:** N/A

## **E. Assessment of the CS Program's Student Outcomes**

### **Student Outcome S2:**

**Demonstrate competence in mathematical skills (discrete structures, differential and integral calculus, and Probability and statistics).**

CS2600 is a discrete math course in which we discuss topics that include elementary propositional and predicate logics; elementary set theory; relations and their properties; functions; congruence and Euclidean algorithm; combinatorics; mathematical reasoning; matrices; elements of graph theory; trees and their applications; and Boolean algebra. Two of its major objectives are to emphasize mathematical reasoning and to show the applications of discrete mathematics. Extensive hands-on exercises are also used to assess students' understanding of these concepts.