

Computer Information Department Course Outline

PROG 1013 Fundamental Programming Concepts (F, S)

Catalog Description

This course is designed for non-programming majors who want an understanding of actual programming code. It introduces basic programming topics such as variables, datatypes, functions, selection and repetition, simple data structures, and the use of built-in objects. This course assumes you have no prior programming experience and is taught using a modern programming language. NOTE: This course cannot not be used to satisfy degree requirement of PROG 1003 for Programming or Engineer majors.

Prerequisite

N/A

Credit Hours/Contact Hours/Load Hours

3/3/3

Target Audience/Transferability

This course is designed for non-programming majors who want an understanding of actual programming code. It may not transfer.

Student Learning Outcomes

The student will:

- Apply programming concepts
- Demonstrate competence of programming concepts by analyzing and designing solutions to various selected problems

Topics

- Variables
- Datatypes
- Functions
- Selection and repetition
- Simple data structures
- Use of built-in objects

Forms of Assessment

Written assignments, hands-on assignments, quizzes, and exams.