CSC 118 Swift Programming I

COURSE DESCRIPTION:
Prerequisites: CSC 121, CSC 151, CSC 153, or CTI 110
Corequisites: None

This course introduces the development of iOS applications and Apple applications using Swift programming language. Emphasis is placed on syntax, object-oriented principles, memory management, and functional concepts of Swift programming. Upon completion, students should be able to develop fully functional iOS and Apple applications using Swift programming language.
Course Hours per Week: Class, 2. Lab, 3. Semester Hours Credit, 3.

LEARNING OUTCOMES:

   ix. Controls in Action
   x. Auto layout and Stack Views

 III. Navigation and Workflows
  A. Swift Lessons
   i. Optionals
   ii. Type Casting
   iii. Guard
   iv. Scope
   v. Enumerations
  B. SDK Lessons
   vi. Segues and Navigation Controllers
   vii. Tab Bar Controllers
   viii. View Controller Life Cycle
   ix. Building Simple Workflows

REQUIRED TEXTBOOK AND MATERIAL:

The textbook and other instructional material will be determined by the instructor.