CSC 134 C++ Programming

Credit Hours	Lecture Hours	Lab Hours	Prerequisite or Corequisite
3	**2**	**3**	**None**

CATALOG DESCRIPTION

This course introduces object-oriented computer programming using the C++ programming language. Topics include input/output operations, iteration, arithmetic operations, arrays, pointers, filters, and other related topics. Upon completion, students should be able to design, code, test, and debug C++ language programs. This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement. At PCC, classes may be taught as a whole or in part nontraditionally through distance learning or the Internet.

REQUIRED RESOURCES

C++ Programming – Ullman & Signer

Materials

Secondary storage (flash drive recommended).

Technology

none

LEARNING OBJECTIVES

1. Implement fundamental C++ language constructs including input/output operations, conditional branching, methods of iteration, arithmetic operations, arrays, pointers, structures, classes, and objects.
2. Design and implement rudimentary algorithms using C++.
3. Demonstrate primary programming skills including methods for program documentation using UML.
4. Organize and document elementary C++ projects and source code.
5. Implement solutions using the STL and elements of the standard namespace.

COURSE DELIVERY METHODS

If this course is taught as an online, hybrid, or web enhanced course; the course will require access to the PCC Blackboard learning system via the Internet. Students are expected to login to the Blackboard course **AT LEAST 3 times per week**. Students are also expected to use the PCC Campus Cruiser web mail system to correspond with the instructor and **check email at least once every 24 hours Monday – Friday.**

COURSE SPECIFIC INFORMATION

Final exam is comprehensive.

Complete syllabus with due dates, attendance policies, and other information is provided by the instructor for the course.

Last Updated July, 2007