JAMESTOWN COMMUNITY COLLEGE
State University of New York

INSTITUTIONAL COURSE SYLLABUS

Course Title: Computer Programming

Course Abbreviation and Number: CSC 1590   **Credit Hours:** 4   **Course Type:** Lecture

Course Description: Students will learn algorithm development and object-oriented program design using an object-oriented language such as Java. Topics include control structures, program debugging, documentation, user-defined methods, parameter passing, graphical user interfaces, arrays, and user-defined classes. Students spend a substantial amount of out-of-class time working on computer projects.

Prerequisite: CSC 1570.

Student Learning Outcomes:

Students who demonstrate understanding can:

1. Demonstrate the ability to create program code that includes: control structures, methods, parameter passing, arrays, and user defined classes.
2. Explain the concepts of event driven programming and basic GUI components.
3. Utilize good program documentation in their program code.
4. Demonstrate the ability to successfully debug their program code.
5. Interpret and draw inferences from mathematical models such as formulas, graphs, tables, and schematics.

Topics Covered:

- Looping statements
- User Defined Methods
  - value returning
  - void
- Parameter passing
- Arrays
- Object Oriented Program Design
- Graphical user interface
- Exception Handling and Events

Information for Students

- Expectations of Students
  - Civility Statement
  - Student Responsibility Statement
  - Academic Integrity Statement
- Accessibility Services
  Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Coordinator.
- Get Help: JCC & Community Resources
- Emergency Closing Procedures
- Course grade is determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

A=4.0	B+=3.5	B=3	C+=2.5	C=2	D+=1.5	D=1	F=0

- Veterans and active duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.

Effective Date: Fall 2023