

CSCI101: Fundamentals of Computer Programming

Course Coordinator

Massoud Ghyam

Other instructors for course

None

Textbooks and other required materials

Object-Oriented Program Development Using C++: A Class- Centered Approach
By Gary J. Bronson

Major Topics

1. Algorithm Design
2. Introduction to Object-Oriented Design and Programming
3. Modular software development
4. Primitive data types
5. Interactive Input and Output
6. Conditional statements
7. Repetition statements
8. Arrays, vectors, structures, and classes
9. Input and Output using Files
10. Testing and verifying programs
11. Simple search and sort algorithms