

# Louisiana Delta Community College

## Academic Affairs Master Syllabus

**Course Name:** SOFTWARE DESIGN & PROGRAMMING I

**Course Number:** CSCI 200

**Lecture hours:** 3

**Lab Hours:** 0

**Credit Hours:** 3

**Textbook, Author, and Publisher:** To be provided by College Campus

**Instructor Information:** To be provided by College Campus

**Class Location:** To be provided by College Campus

### **Course Description:**

This course introduces the first of a two-course sequence for students wishing to transfer to a four-year institution for a major or minor in Computer Science or Computer Information Systems. It offers a disciplined approach to problem-solving, program design, algorithms, and logic development. It uses high-level programming language to express algorithms.

**Prerequisites:** CSCI 192 with a grade of "C" or better or instructor's approval

**Co-requisites:** None

### **Learning Outcomes:**

On completion of this course, the student will be able to:

1. Describe object-oriented programming techniques;
2. Examine the anatomy of a simple object-oriented program;
3. Identify syntax and semantics;
4. Discuss numeric types, expressions, and input/output;
5. Show the concept of flow control;
6. Recognize loop control strategies and looping operations;
7. Discover how to form and use nested control structures;
8. Analyze value-returning functions;
9. Explain user-defined function calls;
10. Examine arrays and strings;
11. Create a program using object-oriented programming techniques.

**Assessment Measures:** To be provided by College Campus

**Library Resource Center:**

The Delta Library and Learning Resource Center is committed to providing quality information and learning resources and services, including technology, in supporting the overall mission of Louisiana Delta Community College and its commitment to lifelong learning.

**Special Accommodations:**

Louisiana Delta Community College complies with Section 504 of the Rehabilitation Act, as well as the Americans with Disabilities Act. Students with disabilities who attend the Monroe campus may make a request by contacting the Director of Counseling and Disability Services (See College Directory for contact information.) at the beginning of each semester. Reasonable accommodations will be attempted for students with documented disabilities. If an impairment is identified later in the semester, a non-retroactive accommodation plan will be developed. Students at satellite campuses should contact the Coordinator of Student Affairs at their particular campus.

**Title IX:**

Louisiana Delta Community College is committed to protecting the rights of students, which includes compliance with Title IX requirements. As such, the institution and members of our community will not tolerate the offenses of dating violence, domestic violence, sexual assault, and stalking. Students with Title IX concerns should contact the College's Title IX Coordinator (See College Directory for contact information.) Students are required to complete Sexual Assault Awareness and Prevention Online Training. Access to this online course will be sent out through the Delta email account.

**Student Code of Conduct:**

Louisiana Delta Community College encourages an environment of academic integrity and mutual respect. Students should read and follow both academic and behavioral expectations identified in the Code of Student Conduct that can be found online at [www.ladelta.edu](http://www.ladelta.edu). Students are expected to act with integrity, respect the rights of others, and conduct themselves in a professional manner. The Honor Code prohibits academic misconduct such as cheating, engaging in unauthorized collaboration, and plagiarism. Violations of the Code of Student Conduct may result in disciplinary action as provided in the Code. Incidents are reported through the online Student Conduct system.