

# Louisiana Delta Community College

## Academic Affairs Master Syllabus

**Course Name:** ADVANCED DATABASE DEVELOPMENT

**Course Number:** INCT 2650

**Credit Lecture hours:** 1    **Credit Lab Hours:** 2    **Contact Hours:** 75

**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 is an advanced database design class that follows a class in basic database maintenance using ACCESS. In this offering, the construction of a database via code is undertaken with the idea to write usable routines needed to effectively pull requested information from a greater whole. The focus is upon creating good data manipulation methodologies and the technologies needed to achieve those.

**Prerequisites:** INCT 1320

**Co-requisites:** None

### **Learning Outcomes:**

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

1. Develop an understanding of database design;
2. Plan, construct, and manipulate tables containing data in a consistent form;
3. Understand concepts necessary to prevent data redundancy, expedite performance, and improve maintainability;
4. Utilize SQL queries to extract information in a systematic, concise, and efficient manner;
5. Generate reports that adequately reflect the requested data in a clear and attractive format;
6. Logically organize data effectively for use in data reflection and analysis;
7. Generate code bases that employ reusable data retrieval mechanisms.

**Assessment Measures:** To be provided by the 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 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.