

Louisiana Delta Community College

Academic Affairs Master Syllabus

Course Name: SERVER TECHNOLOGY

Course Number: INCT 2820

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: The Server Hardware Specialist is expected to have an in-depth understanding of the planning, installing, configuring, and maintaining servers, including knowledge of server-level hardware implementations, data storage subsystems, data recovery, and I/O subsystems. This specialist should know the interrelationships of all parts of the server system and understand the ramifications of their actions. This course provides the skills and knowledge to prepare the students for Server+ CompTIA certification.

Prerequisites: CPTR 1010 or Department Head Approval

Co-requisites: None

Learning Outcomes:

On completion of this course, the student should be able to perform the following with a proficiency that complies with the minimum standard of industry:

1. The student will demonstrate in-depth knowledge of servers, including working knowledge of troubleshooting, physical security and disaster recovery. Can recover from a server failure
2. The student will examine methods to ensure high availability by meeting the Service Level Agreement requirements, including proactively recognizing and responding to problems and performing recovery
3. The student will manipulate hardware configuration and network connectivity. Includes the ability to perform problem determination for all aspects of the server (hardware, software, networking)
4. The student will Install and configure server hardware to meet application requirements
5. The student will implement current and emerging data storage and transfer technologies such as SCSI and, RAID
6. The student will utilize networking protocols (e.g., TCP/IP, IPX/SPX, SNMP, DMI) for diagnosing the impact of the network on the server and vice versa
7. The student will classify support, including second level support for resellers and end-users
8. The student will perform maintenance on server systems, data storage subsystems, and network devices
9. The student will demonstrate good planning and integration skills to be able to Upgrade a server without impacting network users Increase storage capacity without impacting network users Design and implement a data recovery plan in the event of a network device failure Perform peripheral upgrades, BIOS upgrades, memory upgrades, processor upgrades, mass storage upgrades, and adapter upgrades.
10. The student will demonstrate high levels of leadership through mentoring and training others in server concepts and operations.

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. 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.