Configuring Advanced Windows Server Operating Systems (ITMT 1305)

LAMAR INSTITUTE OF TECHNOLOGY

INSTRUCTOR CONTACT INFORMATION

Instructor:	Susan Joiner
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Office Phone:	409-247-5326
Office Location:	TA 4 Room 103B
Office Hours:	MW 7:30-8:00am; 2:30-4:00pm; TR 7:30-8:00am; 1:30-4:00pm F 12:00-2:00pm

CREDIT
3 Semester Credit Hours (2 hours lecture, 4 hours lab)

MODE OF INSTRUCTION
Face to face

PREREQUISITE/CO-REQUISITE:
None

COURSE DESCRIPTION
Advanced configuration tasks required to deploy, manage, and maintain a Windows Server operating system infrastructure. Additional topics include fault tolerance, certificate services, and identity federation.

COURSE OBJECTIVES
- Upon completion of this course, the student will be able to
- Configure and manage high availability
- Optimize file and storage solutions
- Implement business continuity and disaster recovery
- Configure network services such as DHCP, DNS, and IPAM
- Design and implement an Active Directory Infrastructure
- Install and configure identity and access solutions

REQUIRED TEXTBOOK AND MATERIALS
1. Cengage MindTap access to **Hands-On Microsoft Windows Server 2019, 3rd Edition, Eckert, Jason W.; Cengage, 2021**

   a. **How to buy** your Course Materials

Approved: Initials/date

Step 1: Sign into **Blackboard** and click on **this course**
Step 2: Click on the Cengage link: **Getting Started** in the *Getting Started* Module.
Step 3: Create or sign into your Cengage account to access or purchase the materials for this course.
NOTE: If you are taking additional courses that use Cengage materials, you can save by purchasing a Cengage Unlimited plan, which gives you access to all Cengage eTextbooks and online homework platforms for one price. Visit cengage.com/unlimited to learn more.

b. Beware of sites that are selling discounted codes. These sources are likely unauthorized sellers who have acquired access codes illegally, and transactions with such sources may pose a risk to your personal information.

c. Need help? Visit startstrong.cengage.com for step-by-step registration instructions and videos.

ATTENDANCE POLICY
Three absences are allowed. If a student is tardy to class or departs early three (3) times, it will be equal to one (1) absence. Each absence beyond three absences will result in a 2 point deduction from your final grade.

DROP POLICY
If you wish to drop a course, you are responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

STUDENT EXPECTED TIME REQUIREMENT
For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
Week 1 8/21-8/27	Introduction Syllabus	None	None
Week 2 8/27-9/3	Getting Started with Windows Server 2019	Chapter 1	Lab 1-1 Quiz 1 9/3/2023
Week 3 9/3-9/10	Configuring Windows Server 2019	Chapter 2	Lab 2-1 Quiz 2 9/10/2023

Week 4 9/10-9/17	Implementing Hyper-V and Rapid Server Deployment	Chapter 3	Lab 3-1 Lab 3-2 Quiz 3 9/17/2023
Week 5 9/17-9/24	Introduction to Active Directory and Account Management	Chapter 4	Lab 4-1 Lab 4-2 Quiz 4 9/24/2023
Week 6 9/24-10/1	Configuring Resource Access	Chapter 5	Lab 5-1 Lab 5-2 Quiz 5 10/1/2023
Week 7 10/1-10/8	Configuring Printing	Chapter 6	Quiz 6 10/8/2023
Week 8 10/8-10/15	Configuring and Managing Data Storage	Chapter 7	Lab 7-1 Lab 7-2 Quiz 7 10/15/2023
Week 9 10/15-10/22	Configuring and Managing Network Services	Chapter 8	Lab 8-1 Lab 8-2 Quiz 8 10/22/2023
Week 10 10/22-10/29	Configuring and Managing Remote Access Services	Chapter 9	Lab 9-1 Lab 9-2 Quiz 9 10/29/2023
Week 11 10/29-11/5	Configuring Web Services and Cloud Technologies	Chapter 10	Quiz 10 11/5/2023
Week 12 11/5-11/12	Managing and Securing Windows Networks	Chapter 11	Lab 11-1 Quiz 11 11/12/2023
Week 13 11/12-11/19	Monitoring and Troubleshooting Windows Server 2019	Chapter 12	Lab 12-1 Lab 12-2 Quiz 12 11/19/2023
Week 14 11/19-11/26	Make-up	Make-up	12/3/2023
Week 15 11/26-12/3	Review	Review	12/3/2023
Week 16 12/3-12/6	Final Exam	Final Exam	11/30/2023

COURSE EVALUATION
Final grades will be calculated according to the following criteria:

Labs	45%
Quizzes	30%
Final Exam	25%

GRADE SCALE
- 90-100 A
- 80-89   B
- 70-79   C
- 60-69   D
- 0-59   F

TECHNICAL REQUIREMENTS
The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT
The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

STUDENT CODE OF CONDUCT STATEMENT
It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION

Course Policies

1. No food, drinks, use of tobacco products, or vaping products in class.
2. Electronic devices not being used for the class, such as phones and headphones, must be turned off while in class. Any device usage during class may result in a deduction of points on an assignment or test.
3. Do not bring children to class.
4. Certification: If a student passes the certification test that is associated with this class, you will receive an "A" on the final exam and credit for 25% of your labs.
5. A grade of 'C' or better must be earned in this course for credit toward degree requirement.
6. All assignment due dates are indicated in Cengage for this class. Any work submitted after the assigned due date will receive a 10 point deduction.
7. Tests are assigned a due date and must be completed by that date. Tests will not be reactivated after the due date.
8. All assignments must be submitted via Blackboard unless specified by your instructor. Assignments submitted through any other method will receive a "0".
9. Grades for assignments may be accessed through My Grades in Blackboard. Each assignment shows your grade and any grading comments made on your assignment.
10. It is the student's responsibility to verify transferred exam grades and ask for corrections if needed.
11. All work is due before the final exam date. Nothing will be graded after the final exam.

Certification Requirement

CNTT and Cyber Security majors are required to earn certification in one of the following areas prior to graduation.

- A+ Certification
- Network+ Certification
- Security+ Certification
- Linux+ Certification
- Cisco Certified Network Associate (CCNA)