Configuring Advanced Windows Server Operating Systems (ITMT 1305 6A1)

INSTRUCTOR CONTACT INFORMATION

Instructor:	Susan Joiner
Email:	sljoiner@lit.edu
Office Phone:	409-247-5326
Office Location:	TA 4 Room 103B

Office Hours: MWF 7:30-8:00am; 12:00-3:00pm TR 7:30-8:00am; 12:00-3:00pm

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
       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.

Approved: Initials/date

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 by the specified drop date as listed on the Academic Calendar. 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 (Subject to change)

DATE	TOPIC	READINGS	ASSIGNMENTS (Due on this Date)
Week 1 8/26-9/1	Introduction/Syllabus	None	None
Week 2 9/1-9/8	Getting Started with Windows Server 2019	Chapter 1	Lab 1-1 Quiz 1 Study Guide 9/8/2024

Week 3 9/8-9/15	Configuring Windows Server 2019	Chapter 2	Lab 2-1 Quiz 2 Study Guide 9/15/2024
Week 4 9/15-9/22	Implementing Hyper- V and Rapid Server Deployment	Chapter 3	Lab 3-1 Lab 3-2 Quiz 3 Study Guide 9/22/2024
Week 5 9/22-9/29	Introduction to Active Directory and Account Management	Chapter 4	Lab 4-1 Lab 4-2 Quiz 4 Study Guide 9/29/2024
Week 6 9/29-10/6	Configuring Resource Access	Chapter 5	Lab 5-1 Lab 5-2 Quiz 5 Study Guide 10/6/2024
Week 7 10/6-10/13	Configuring Printing	Chapter 6	Quiz 6 Study Guide 10/13/2024
Week 8 10/13-10/20	Configuring and Managing Data Storage	Chapter 7	Lab 7-1 Lab 7-2 Quiz 7 Study Guide 10/20/2024
Week 9 10/20-10-27	Configuring and Managing Network Services	Chapter 8	Lab 8-1 Lab 8-2 Quiz 8 Study Guide 10/27/2024
Week 10 10/27-11/3	Configuring and Managing Remote Access Services	Chapter 9	Lab 9-1 Lab 9-2 Quiz 9 Study Guide 11/3/2024
Week 11 11/3-11/10	Configuring Web Services and Cloud Technologies	Chapter 10	Quiz 10 Study Guide 11/10/2024
Week 12 11/10-11/17	Managing and Securing Windows Networks	Chapter 11	Lab 11-1 Quiz 11 Study Guide 11/17/2024

Week 13 11/17-11/24	Monitoring and Troubleshooting Windows Server 2019	Chapter 12	Lab 12-1 Lab 12-2 Quiz 12 Study Guide 11/24/2024
Week 14 11/24-12/1	Make-up	Make-up	12/8/2024
Week 15 12/1-12/8	Review	Review	12/8/2024
Week 16 12/8-12/11	Final Exam	Final Exam	12/10/2024

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

Labs	40%
Module Quizzes	20%
Study Guides	10%
Final Exam	30%

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

LIT does not use +/- grading scales

ACADEMIC DISHONESTY
Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty.

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

1. Email is the preferred method of communication (sljoiner@lit.edu). I cannot respond to Blackboard Messages, I can see them but I have no way to respond.
2. No food, drinks, use of tobacco products, or vaping products in class.
3. 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.
4. Do not bring children to class.
5. 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.
6. A grade of 'C' or better must be earned in this course for credit toward degree requirement.

7. All assignment due dates are indicated in the Blackboard course for this class and the course calendar above. Any work submitted after the assigned due date will receive a **10-point deduction**.
8. Tests are assigned a due date and must be completed by that date. There will be a **2-day** grace period and a **15-point** deduction for missed exams. It is the student's responsibility to contact the instructor for an extension.
9. All assignments must be submitted via Blackboard unless specified by your instructor. All assignments require 2 files when submitting work. Assignments submitted through any other method will not receive credit.
10. Grades for assignments may be accessed through My Grades in Blackboard. Each assignment shows your grade and any grading comments made on your assignment.
11. Chapter Exam grades may be accessed through the Cisco website until they are transferred to the Gradebook in Blackboard.
12. It is the student's responsibility to verify transferred exam grades and ask for corrections if needed.
13. All work is due before the final exam date. Nothing will be graded after the final exam.

Certification Requirement

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)

This course covers part of the material to prepare for the Cisco Certified Network Associate v1.0 (CCNA 200-301) certification exam. All three Cisco courses must be completed to cover the material for the CCNA exam. Students are responsible for scheduling and paying for the certification through the LIT Testing Center. More information about the certification can be found online at http://www.cisco.com/c/en/us/training-events/training-certifications/certifications.html.