



**LAMAR INSTITUTE  
OF TECHNOLOGY**

## **Configuring Advanced Windows Server Operating System (ITMT 1305 9T1)**

### **INSTRUCTOR CONTACT INFORMATION**

Instructor: Steven Joiner  
Email: scjoiner@lit.edu  
Office Phone: 409 247 4995  
Office Location: T4 – 105 (Back Office)  
Office Hours: Tuesday/Thursday: 10:30am – 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
- 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**

- *Hands-On Microsoft® Windows Server 2019, 3rd Edition*, Eckert, Cengage, 2020
  - ISBN: 9780357436158 (Print)

### **ATTENDANCE POLICY**

Please refer to the Beaumont Independent School District attendance policy in the student handbook for details.

### **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.

**COURSE CALENDAR**

<b>DATE</b>	<b>TOPIC</b>	<b>READINGS (Due on this Date)</b>	<b>ASSIGNMENTS (Due on this Date)</b>
Week 1	Intro/Syllabus	None	None
Week 2	Getting Started with Windows Server 2019	Module 1 See Blackboard Schedule	Lab 1-1 Module 1 Quiz
Week 3	Configuring Windows Server 2019	Module 2 See Blackboard Schedule	Lab 2-1 Module 2 Quiz
Week 4	Implementing Hyper-V and Rapid Server Deployment	Module 3 See Blackboard Schedule	Lab 3-1 Lab 3-2 Module 3 Quiz
Week 5	Introduction to Active Directory and Account Management	Module 4 See Blackboard Schedule	Lab 4-1 Lab 4-2 Module 4 Quiz
Week 6	Configuring Resource Access	Module 5 See Blackboard Schedule	Lab 5-1 Lab 5-2 Module 5 Quiz
Week 7	Configuring Printing	Module 6 See Blackboard Schedule	Module 6 Quiz
Week 8	Module 1-6 Review	Module 1-6 See Blackboard Schedule	Test 1
Week 9	Configuring and Managing Data Storage	Module 7 See Blackboard Schedule	Lab 7-1 Lab 7-2 Module 7 Quiz
Week 10	Configuring and Managing Network Services	Module 8 See Blackboard Schedule	Lab 8-1 Lab 8-2 Module 8 Quiz
Week 11	Configuring and Managing Remote Access Services	Module 9 See Blackboard Schedule	Lab 9-1 Lab 9-2 Module 9 Quiz
Week 12	Configuring Web Services and Cloud Technologies	Module 10 See Blackboard Schedule	Module 10 Quiz
Week 13	Managing and Securing Windows Networks	Module 11 See Blackboard Schedule	Lab 11-1 Module 11 Quiz
Week 14	Monitoring and Troubleshooting Windows Server 2019	Module 12 See Blackboard Schedule	Lab 12-1 Lab 12-2 Module 12 Quiz
Week 15	Module 7-12 Review	Modules 7-12 See Blackboard Schedule	Test 2
Week 16	Final Exam	None	Final Exam TBA

## **COURSE EVALUATION**

Final grades will be calculated according to the following criteria:

Labs	25%
Quizzes	25%
Tests	25%
Final	25%

## **GRADE SCALE**

- 90-100 A
- 80-89 B
- 75-79 C
- 70-74 D
- 0-69 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](mailto: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](http://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. 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.
4. A grade of 'C' or better must be earned in this course for credit toward degree requirement.
5. All assignment due dates are indicated in the Blackboard course for this class. Any work submitted after the assigned due date will receive a 10 point deduction.
6. Tests are assigned a due date and must be completed by that date. Tests will not be reactivated after the due date.
7. All assignments must be submitted via Blackboard unless specified by your instructor. Assignments submitted through any other method will receive a "0".
8. Grades for assignments may be accessed through My Grades in Blackboard. Each assignment shows your grade and any grading comments made on your assignment.
9. It is the student's responsibility to verify transferred exam grades and ask for corrections if needed.
10. All work is due before the final exam date. Nothing will be graded after the final exam.