Configuring Advanced Windows Server Operating Systems (ITMT 1305)

INSTRUCTOR CONTACT INFORMATION
  Instructor: Susan Joiner
  Email: sljoiner@lit.edu
  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
   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.


**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**

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>READINGS (Due on this Date)</th>
<th>ASSIGNMENTS (Due on this Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1 8/21-8/27</td>
<td>Introduction Syllabus</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Week 2 8/27-9/3</td>
<td>Getting Started with Windows Server 2019</td>
<td>Chapter 1</td>
<td>Lab 1-1 Quiz 1 9/3/2023</td>
</tr>
<tr>
<td>Week 3 9/3-9/10</td>
<td>Configuring Windows Server 2019</td>
<td>Chapter 2</td>
<td>Lab 2-1 Quiz 2 9/10/2023</td>
</tr>
</tbody>
</table>
| 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](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)](http://www.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. 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)