



# DIRECTORY SERVICES AND INFRASTRUCTURE

## DSI300 — Directory Services & Infrastructure, 3.0 hours

### PROFESSOR

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Tom Tardy is an Information Security professional passionate about teaching and helping others perform at their best. Tom loves to learn and challenge himself. He has a master's degree in Information Security, two bachelors' degree – in Education and Computer Forensics – and an associate's degree in Law Enforcement Technology. He also is a Certified Ethical Hacker (C|EH) and Certified Hacker Forensic Investigator (C|HFI).

### CONTACT INFORMATION

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Cell Phone: 800-517-0857 X 786

### ONLINE SUPPORT (IT) AND MOODLE NAVIGATION:

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All members of the Lakewood University community who use the University's computing, information or communication resources must act responsibly. Support is accessible by calling 1-800-517-0857 option 2 or by emailing [info@lakewood.edu](mailto:info@lakewood.edu)

### BOOKS AND RESOURCES

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Tomsho Greg. MCSA Guide to Identity with Windows Server. 1st ed. Cengage, 2018.

### EVALUATION METHOD

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Graded work will receive a numeric score reflecting the quality of performance.  
Course Requirement Summary

- Assignments - Total of 60 Points
- Weekly discussion forums-Total of 80 Points
- Final Exam - 50 Points

### GRADING SCALE

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Graded work will receive a numeric score reflecting the quality of performance as given above in evaluation methods. The maximum number of points a student may earn is 190. To determine the final grade, the student's earned points are divided by 190.

Your overall course grade will be determined according to the following scale:

- A = (90% -100%)
- B = (80% - 89%)
- C = (70% - 79%)
- F < (Below 70%)

## ACADEMIC INTEGRITY/ PLAGIARISM:

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Cheating (dishonestly taking the knowledge of another person whether on a test or an assignment and presenting it as your work) and plagiarism (to take and pass off as one's own the ideas or writing of another) are a serious issue. While it is legitimate to talk to others about your assignments and incorporate suggestions, do not let others "write" your assignments in the name of peer review or "borrow" sections or whole assignments written by others. We do get ideas from life experiences and what we read but be careful that you interpret these ideas and make them your own.

I am aware that many types of assignments are available on the internet and will check these sources when there is legitimate suspicion.

Penalty is a zero on the assignment. In cases where there is a major or continuous breach of trust, further discipline, such as an "F" in the course, may be necessary.

The major consequence of any form of cheating is damage to your character and the result of trust and respect.

## DISABILITY ACCOMMODATIONS

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Students who may have a disability meriting an academic accommodation should contact Jim Gepperth, the Disabilities Services Coordinator and Academic Dean. For accommodations to be awarded, a student must complete a form and provide documentation of the disability to the Disability Services Coordinator. Any accommodations for disabilities must be re-certified each year by the Disability Services Coordinator before course adjustments are made by individual instructors. Additional information on disability accommodations may be found in the Lakewood University Catalog.

## SUPPLEMENTAL TEXTS

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You can use the following resources to assist you with proper source citation.

American Psychological Association Style Guide- [https://www.mylakewoodu.com/pluginfile.php/118179/mod\\_resource/content/1/APA%20Style%20Guide%207th%20edition.pdf](https://www.mylakewoodu.com/pluginfile.php/118179/mod_resource/content/1/APA%20Style%20Guide%207th%20edition.pdf)

The Purdue OWL website is also a helpful resource for students. Here is a link to the OWL website: [https://owl.purdue.edu/owl/research\\_and\\_citation/apa\\_style/apa\\_formatting\\_and\\_style\\_guide/general\\_format.html](https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html)

## LIBRARY

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Mary O'Dell is the Librarian on staff at Lakewood University

She is available by appointment. You can make an appointment with her by emailing her at [modell@lakewood.edu](mailto:modell@lakewood.edu) or call at 1-800-517-0857 X 730

You may also schedule a meeting at this link: <https://my.setmore.com/calendar#monthly/r3a761583354923270/01032020>

She can assist you with navigating LIRN, research, citations etc.

## SUPPORT

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Each student at Lakewood University is assigned a Success Coach. Your Success Coach exists to assist you with academic and supportive services as you navigate your program. They will reach out to you, often, to check-in. Please use the resources they offer.

Student Services is available to assist with technical questions regarding Lakewood University and all services available to you.

1-800-517-0857 option 2  
info@lakewood.edu  
studentservices@lakewood.edu

## CAREER SERVICES

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Students are offered Career Services at any point as they journey their academics at Lakewood University.

1-800-517-0857 option 2  
careerservices@lakewood.edu

## LESSONS

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TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #1	<ul style="list-style-type: none"><li>Introducing Active Directory</li><li>Managing O U s and Active Directory Accounts</li></ul>	Study Course Syllabus Read Chapters 1 & 2 Participate in the Discussion Forum Complete Assignment 1 Lesson Evaluation	Assignment 1 upon completion of the lesson	Objective 1
Lesson #2	<ul style="list-style-type: none"><li>User and Service Account Configuration</li></ul>	Read Chapter 3 Participate in the Discussion Forum Lesson Evaluation		Objective 2
Lesson #3	<ul style="list-style-type: none"><li>Configuring Group Policies</li></ul>	Read Chapter 4 Participate in the Discussion Forum Complete Assignment 2 Lesson Evaluation	Assignment 2 upon completion of the lesson	Objective 3
Lesson #4	<ul style="list-style-type: none"><li>Managing Group Policies</li></ul>	Read Chapter 5 Participate in the Discussion Forum Lesson Evaluation		Objective 4
Lesson #5				Objective 5

- Domain Controller and Active Directory Management
- Read Chapter 6  
Participate in the Discussion Forum  
Lesson Evaluation

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #6	<ul style="list-style-type: none"> <li>• Configuring Advanced Active Directory</li> </ul>	Read Chapter 7 Participate in the Discussion Forum Complete Assignment 3 Lesson Evaluation	Assignment 3 upon completion of the lesson	Objective 6

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #7	<ul style="list-style-type: none"> <li>• Implementing Active Directory Certificate Services</li> </ul>	Read Chapters 8 Participate in the Discussion Forum Lesson Evaluation		Objective 7

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #8	<ul style="list-style-type: none"> <li>• Implementing Identity Solutions</li> </ul>	Read Chapter 9 Participate in the Discussion Forum Complete the Final Exam Request the Next Course Lesson Evaluation THANKS FOR A GREAT CLASS	Final exam upon completion of the lesson	Objective 8

## DESCRIPTION

This course will prepare students to install, configure, secure and maintain services in the Windows Active Directory environment. Topics included but not limited to group policies, directory configuration, security strategies and certificate services.

## OBJECTIVES

1. Install and configure Active Directory Domain Services (AD DS)
2. Install and configure domain controllers
3. Create and manage Active Directory users and computers
4. Create and manager Group Policy
5. Maintain Active Directory
6. Configure Active Directory in a complex enterprise environment
7. Implement Active Directory Certificate Services (AD CS)
8. Implement identify federation and access solutions