SPECIALIZED NETWORK ADMINISTRATION

Disclaimer Statement

The final examination in this course will be remotely proctored. Please be sure you have your computer's camera on so you can display your photo identification so the proctoring system can verify your identity. If you run into any issues please reach out to your Success Coach.

You can also prepare for your examination by reading this helpful guide: https://www.talview.com/en/test-taker-guide

SPAD400 — Specialized Network Administration, 3.0 hours

PROFESSOR

Dr. Mia A. Holman is a native of Atlanta, GA. Her Bachelors in computer Science and Master's in Information Technology degrees she received from North Carolina A&T SU. Dr. Holman received her Doctoral Degree in Leadership and Organization in Information Systems before the age of 30 from the University of Phoenix.

She has held several corporate technical positions as a Software Engineer, Marketing Engineer, Business Process Analyst & Sr. Project Manager. She currently holds the position as the Business Continuity Risk Liaison, along with being the Engineering Professor at University of Akron. For 6 years, Dr. Holman was the IT Department Chair & Advisor for South University in Warrensville Hts.

She loves being active in various organizations such as Zeta Phi Beta Sorority, Inc. She also holds the Operations Manager role for PURE Productions (non-profit theater organization). She has always had a passion for helping and developing individuals.

In 2015 she started a Big Sister Mentorship Program called Excellence of A Pearl (EOAP), where she focuses on building integrity and self Esteem for girls ages 10-18. Because of her persistence and trusting God, she started with only 8 girls & now she has over 45 in the program. Along with an In-School EOAP program at New Tech East, Richmond Hts., and Maple Heights School District. She is also the co-Founder of FIST, our young men's mentorship program.

CONTACT INFORMATION

E-mail: mholman@lakewood.edu
Cell Phone: 800-517-0857 X 776

ONLINE SUPPORT (IT) AND MOODLE NAVIGATION:

All members of the Lakewood College community who use the College's computing, information or communication resources must act responsibly. Support is accessible by calling 1-800-517-0857 option 2 or by emailing info@lakewoodcollege.edu

BOOKS AND RESOURCES

Eckert, Jason. Hands-On Microsoft Window Server 2019. 3rd Edition. Cengage Learning US, 2023.

EVALUATION METHOD

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

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%)
D = (60% - 69%)
F < (Below 60%)

ACADEMIC INTEGRITY/ PLAGIARISM:

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

Students who have a disability and wish to request an academic accommodation should contact Jim Gepperth, the Disabilities Services Coordinator and Academic Dean. The student can request an accommodation at any time although it is encouraged to do so early in the enrollment process. The student should complete an accommodation request form which begins a conversation between the school and the student regarding the nature of their disability and an accommodation that would help the student succeed in their program. The school may request documentation regarding the disability to address the accommodation request effectively. The school will communicate to the student the type of accommodation arranged. This

process typically follows a team approach, bringing together persons from the academic department (including the instructor) and personnel from other departments as necessary. Additional information on disability accommodations may be found in the Lakewood University Catalog.

Disability Services Email: disabilityservices@lakewood.edu

SUPPLEMENTAL TEXTS

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

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

LIBRARY

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 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

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

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

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #1			Assignment 1 upon completion of the lesson	Objective 1

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
	• Networking: An Overview • How LAN and WAN Communications Work	Study Course Syllabus Read Chapters 1 & 2 Participate in the Discussion Forum Complete Assignment 1 Lesson Evaluation		
Lesson #2	• Using Network Communication Protocols • Connecting Through a Cabled Network	Read Chapters 3 & 4 Participate in the Discussion Forum Complete Assignment 1 Lesson Evaluation		Objective 2
Lesson #3	• Devices for Connecting Networks • Connecting Through a Wireless Network	Read Chapters 5 & 6 Participate in the Discussion Forum Lesson Evaluation		Objective 3
Lesson #4	• Sharing Resources on a Network • Using a Server	Read Chapters 7 & 8 Participate in the Discussion Forum Lesson Evaluation		Objective 4
Lesson #5	• Understanding WAN Connection Choices	Read Chapter 9 Participate in the Discussion Forum Complete Assignment 2 Lesson Evaluation	Assignment 2 upon completion of the lesson	Objective 5
Lesson #6	• Basic Network Design	Read Chapter 10 Participate in the Discussion Forum Lesson Evaluation		Objective 6
Lesson #7	• Securing Your Network	Read Chapter 11 Participate in the Discussion Forum Complete Assignment 3 Lesson Evaluation	Assignment 3 upon completion of the lesson	Objective 7
Lesson #8	• Maintaining and Troubleshooting Your Network	Read Chapter 12 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	

DESCRIPTION

This course will provide students with the knowledge global Internet technology. This course is designed in a way to provide students with the understanding of architectural network designs, network topology requirements, configuration management, fault management, performance management, monitoring resources, Quality of Service (QoS), and security policies.

Program Objectives

1. Understand the purpose of networking in relation to their benefit to homes, business and small organization and factors that affect network design
2. Distinguish between LAN & WAN and get to understand how 3G & 4G communication works and make a comparison of the TCP/IP to the OSI model.
3. Understand different cabling techniques and technologies and specifications for cabled network
4. Understand the specific roles of each networking device on a LAN network transmission & how WAN network equipment works
5. Identify the current wireless technologies and how a peer to peer network works
6. Learn how to install a windows, Unix/Linux or Mac OS server and how to employ server virtualization and virtual networking
7. Identify different WAN connection choices and how they work in different organization level
8. Learn how to secure, maintain and troubleshoot network

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