OPERATING SYSTEMS AND APPLICATION SOFTWARE

OSAS300 — Operating Systems and Application Software, 3.0 hours

PROFESSOR

Nicholas Theodule received his Master of Science Degree in Information Systems from University of Phoenix, after acquiring his Bachelor of Science in Electronics Communication Engineering Technology Degree. Prior to this, he had acquired an Applied Associates of Science Degree in Computer-Aided Drafting and Design. In addition, he had served eight years as a Military Police Officer within the US Army Reserves. With his past and current educational experiences as an educator, he has been able to assist with removing any academic barriers regarding online learning. Such barriers can stem from those that could affect accessibility, development of online engagement, online learning and constraints relating to learning resources, time management, and delivery of assignments. Along with continued discovery towards refining one's online academic engagement, his role is to collaborate with Faculty and Staff in order to assist with content comprehension.

CONTACT INFORMATION

E-mail: ntheodule@lakewood.edu
Cell Phone: 800-517-0857 X 795

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

McHoes Ann, Flynn M. Ida. Understanding Operating Systems. 8th ed. Cengage, 2018.

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 Case Study - 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	• Introducing Operating Systems • Early Memory Management Systems	Study Course Syllabus Read Chapters 1 & 2 Participate in the Discussion Forum Lesson Evaluation	Completion of the following items(s): • Discussion Forum	Objective 1
Lesson #2	• Memory Management Includes Virtual Memory • Processor Management	Read Chapters 3 & 4 Participate in the Discussion Forum Complete Assignment 1 Lesson Evaluation	Completion of the following items(s): • Discussion Forum • Assignment 1	Objective 2
Lesson #3	• Process Synchronization • Concurrent Processes	Read Chapters 5 & 6 Participate in the Discussion Forum Lesson Evaluation	Completion of the following items(s): • Discussion Forum	Objective 3

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #4	• Device Management • File Management	Read Chapters 7 & 8 Participate in the Discussion Forum Complete Assignment 2 Lesson Evaluation	Completion of the following items(s): • Discussion Forum • Assignment 2	Objective 4

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #5	• Network Organization Concepts • Management of Network Functions • Security and Ethics	Read Chapters 9, 10 & 11 Participate in the Discussion Forum Lesson Evaluation	Completion of the following items(s): • Discussion Forum	Objective 5

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #6	• System Management • UNIX Operating System	Read Chapters 12 & 13 Participate in the Discussion Forum Complete Assignment 3 Lesson Evaluation	Completion of the following items(s): • Discussion Forum • Assignment 3	Objective 6

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #7	• Windows Operating Systems • Linux Operating Systems	Read Chapters 14 & 15 Participate in the Discussion Forum Lesson Evaluation	Completion of the following items(s): • Discussion Forum	Objective 7

TITLE	COURSE TOPIC	READINGS/ASSIGNMENTS	DUE	OBJECTIVES
Lesson #8	• Android Operating Systems	Read Chapter 16 Participate in the Discussion Forum Complete the Final Exam Case Study Request the Next Course Lesson Evaluation THANKS FOR A GREAT CLASS	Completion of the following items(s): • Discussion Forum • Final Exam Case Study	Objective 8

DESCRIPTION

This course is designed in a way to introduce students with key operating systems concepts and configure and administer systems and applications to meet typical organizational information technology support requirements.

Program Objectives

1. Introducing operating systems and memory allocation systems
2. Describing virtual memory, cache memory, job scheduling, and process scheduling
3. Dealing with livelock and deadlock and identifying complications in multiple processors
4. Understanding the role of device manager and file manager
5. Recognizing how networks and security affect operating systems
6. Identifying the roles of system management and introducing Windows OS
7. Introducing Unix and Linux OS
8. Understanding Android OS

OBJECTIVES

1. **Introducing operating systems and memory allocation systems**
2. **Describing virtual memory, cache memory, job scheduling, and process scheduling**
3. **Dealing with livelock and deadlock and identifying complications in multiple processors**
4. **Understanding the role of device manager and file manager**
5. **Recognizing how networks and security affect operating systems**
6. **Identifying the roles of system management and introducing Windows OS**
7. **Introducing Unix and Linux OS**
8. **Understanding Android OS**