ITEC 202
Operating Systems

SPRING 2019 - 2020

staff.emu.edu.tr/sensevpayanilkan

Şensev Payan İlkan

Address: School of Computing and Technology
Eastern Mediterranean University

Room No: CT110

Tel: +90 392 630 1665

Email: sensev.alicik@emu.edu.tr

Jeremiah D. Adebiyi

Address: School of Computing and Technology

Eastern Mediterranean University

Room No: CT106

Tel: +90 392 630 1135

Email: **jeremiah.adebiyi@emu.edu.tr**

Aim of the Course

- This course is an introduction to the basic concepts of operating systems.
- Upon completion of this course, the student should understand the fundamental concepts and issues involved in operating systems design, and know about the basic services provided by operating systems in general.

Teaching Methodology

- Each week there are **two lectures**, **two lab and 1 tutorial session**.

Lecture notes, Lab descriptions, assignments, and announcements will be posted on course web site.

http://staff.emu.edu.tr/sensevpayanilkan

Solutions of the *tutorial questions* will not be posted on the course website.

Lecture notes will be available

LECTURE NOTES

		Notes pdf	Slides pdf	Slides pps	
1	Computer System Overview				
2	Operating System Basics Overview				
3	Operating System Structures				
4	Introduction to UNIX				
5	Process Description and Control				
6	Deadlock				
7	Memory Management				
8	Virtual Memory				
9	Processor Scheduling				NEW

Password for the protected files is:

genera258

Warning: Lecture Notes will be modified before each lecture!!!

Lab documents will be posted on course website

Lab documents

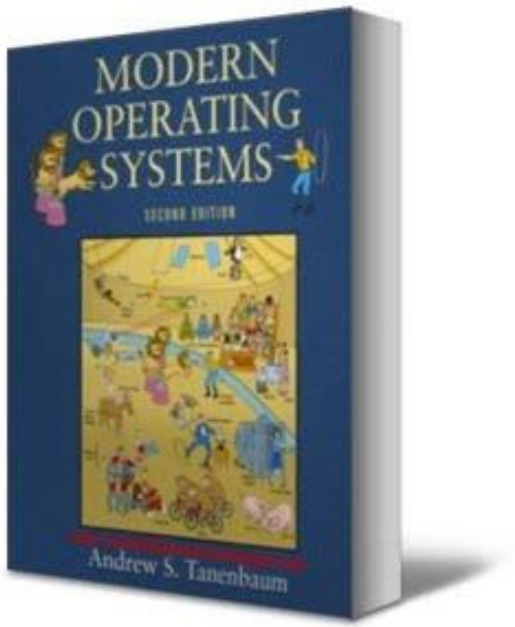
1	Lab I : Interfacing with UNIX		
2	Lab II : Introduction to the UNIX file system		
3	Lab III: Exploring the shell for text commands		
4	Lab IV: Introduction to shell programming		
5	Lab V: Simple Shell Programming		NEW
6	Lab VI: Processes and Jobs		NEW

Before coming to the lab, you must study the lab outline of the corresponding lab.

OS LAB

- During the lab sessions, particular aspects of the Unix Operating System are demonstrated.
- Students will perform different experiments and submit reports for evaluation each week.
- You must collect at least 50% of the total Lab marks in order to pass the course.

Text Book



- William Stallings. *Operating Systems, Internal and Design Principles*, Seventh Edition, Pearson Prentice-Hall, 2011.

Grading System

Quizzes (x2)	12 %
Laboratory	16 %
Assignment (x4)	32 %
Final Exam	40 %

Other Remarks

- Each student can have ***only*** one make-up exam. One who misses an exam should provide ***a medical report*** or ***a valid excuse*** within 3 days after the missed exam.
- The make-up exam will be done at the end of the term and will cover all the topics.
- No make-up exam will be given for the quizzes.
- Students who do not pass the course and fail to attend the lectures regularly may be given **NG** grade.

Chapters

- Computer System Overview and Structure
- Processor Utilization
- Microsoft Windows Overview
- Process Description and Control
- Concurrency & Synchronization
- Deadlock
- Memory Managements:
- etc.

19-20 SPRING
Course Time Table

#	Time	Monday	Tuesday	Wednesday	Thursday	Friday
1	08:30-09:20					
2	09:30-10:20			ITEC202/01-02 CT 223(LEC)		
3	10:30-11:20		ITEC202/01-02 CT 223(LEC)			
4	11:30-12:20		ITEC202/01-02 CT 223(LEC)			
5	12:30-13:20			ITEC202/02 CTL224 (LAB)		
6	13:30-14:20			ITEC202/02 CTL224 (LAB)		
7	14:30-15:20			ITEC202/01 CTL224(LAB)		
8	15:30-16:20			ITEC202/01 CTL224(LAB)		

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