Introduction to Course

Computer Operating Systems
BLG 312E

2016-2017 Spring

Instructor

Assoc. Prof. Dr. A. Şima Etaner-Uyar

Assistant

Resul Tugay

Resources and Web Page

Ninova system and your ITU email accounts

All announcements and homework submissions will be made using the Ninova system.

You should also access your ITU email accounts regularly. Announcements and news may also be delivered as emails to your ITU email accounts.

No excuses will be accepted regarding any information announced on the Ninova system and/or sent to your ITU email accounts.

Course Objectives

- Basic operating system concepts
- Main operating system components
- Operating systems design issues
- Parallel programming using system calls, mutual exclusion and synchronization primitives

---

Topics to be Covered

Introduction to course

Operating Systems Overview

Process Management

Operating System Threads

Interprocess Communication

Interprocess Communication – Classical Problems

Deadlock

Scheduling

Memory Management - 1

Memory Management - 2

File System

Input / Output

Main References

- *Modern Operating Systems,* Andrew S. Tanenbaum.
- *Operating System Concepts 8th Ed.,* A. Silberschatz, P. B. Galvin, G. Gagne.
- *Operating Systems 3rd Ed.,* H. M. Deitel, P. J. Deitel, D. R. Choffnes.

Grading

1 Quiz	10%
1 Midterm	25%
Homework 1	n/a
Homework 2	10%
Homework 3	15%
Final Exam	40%

Requirements for entering the final exam:

- Attendance to at least 70% of the lectures (EXCLUDING the midterm exam), i.e. minimum 18 HOURS out of 26 HOURS (2x13 weeks).
- Submission of the **final** homework: You have to achieve at least 20 out of 100 points on the final homework for its submission to be accepted. A homework with a lower grade will NOT be considered as submitted. Please note that submitting all or parts of the codes provided in class will NOT be sufficient to achieve a grade of 20.

Regarding Late Homework Submissions

- Late submissions will be allowed for only 24 hours after the submission deadline.
- Regardless of the time of the late submission and its reason, **ALL** late submissions will be graded as 50% of the original grade the homework deserves.

Example: A homework which would normally get a grade of 80 will get 40.

Please note that in case of late submissions, for a homework to be considered as submitted, its original grade should be at least 40 (it will get 20)!

Please note!

- You are expected to work individually during all stages of all exams and all homeworks.
- All forms of collaboration are discouraged and will be treated as cheating.This includes actions such as, but not limited to, submitting the work of others as one's own (even if in part and even with modifications) and copy/pasting from other resources (including Internet resources) even when attributed.
- Serious offenses will be reported to the administration for disciplinary measures. Both parties involved in the act will be treated equally.