Middle East Technical University
Electrical and Electronics Engineering Department

EE 442 OPERATING SYSTEMS

Course Outline

2017-18 Spring Term

Instructor:
Dr. Cüneyt F. Bazlamaçcı, Rm EA-406, Ph: 210 2324, e-mail: cuneytb@metu.edu.tr

Prerequisite: CENG230 Introduction to C Programming

Class Schedule: Sec.01: Wed. 13:40-15:30, D-231; Fri. 11:40-12:30, D-231

Teaching assistants:
To be announced later

Text Books:
1. Modern Operating Systems, A. Tanenbaum and H. Boss, 4th ed., Pearson, 2015.

Reference Books:
2. Operating Systems – Internals and Design Principles, W. Stallings, 8th ed., Pearson, 2015.
3. Operating System Concepts, A. Silberschatz, P. B. Galvin, G. Gagne, 9th ed., Wiley, 2013.
4. Unix for Programmers and Users, G. Glass, 3rd ed., Pearson, 2003.

Lecture slides: will be available at course web page via metuclass on a weekly basis.

Course Topics: Introduction, Processes and Threads, Memory Management, File System, I/O, Deadlocks, Virtualization, Multiple Processors, Security, OS Examples, OS Design Issues.

Grading: Mid-term exams: **26%***2; Final Exam: **30**%; HW: **15**%; Attendance: **3%**
- Students who attend at least one midterm exam and submit at least one homework earn the right to take the final exam.
- Those who will not take any exam or submit any homework will be graded NA.
- Students who miss either one midterm exam or the final exam due to officially documented health problems may take the make-up exam to be given after the final exams.

Homeworks/Exercises: Software homework projects will be assigned throughout the term. Details of the policy for homeworks will be announced later.