Gebze Technical University
Department of Computer Engineering

CSE 312 / CSE 504

Operating Systems
Spring 2023
Syllabus

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Teaching Assistants
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Current and other useful information (homework, announcements) about this course will be kept on Teams page

Spring 2023 GTU CSE 312/504 Operating systems

Required Textbook

Modern Operating Systems by Tanenbaum and Bos, 4th edition, Pearson 2015

The textbook is available at Amazon Bookstore 1500TL

https://www.amazon.com.tr/dp/1292061421/ref=cm_sw_em_r_mt_dp_B9403SE0F3YKSFZRKTHX

The slides of the book is available at the class page

Course Prerequisites

- Solid C programming skills are required.
- Solid data structures knowledge is required
- A passing grade from CSE 102 and CSE 331 is required.
- If you do not satisfy the conditions, please talk to the instructor.

The Homeworks

- You will use g++ compilers to compile your homeworks on **the provided virtual machine.**
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- Your homeworks will strictly follow the HW instructions

Grading

The course grade will be determined **tentatively** as follows, we may redistribute the wieghts after April 2023 HEC (YÖK) decision!

- Midterm or quizes: 30%
- Final or project: 40%
- Homeworks: 30%

Grading and Homeworks

- If you submit less than 75% of the homeworks, then you will get a grade of VF from this class.

- Homeworks are due by the described by the HW text.

- 10% of the maximum grade will be deducted for each day late.

- We will not accept homeworks submitted more than 4 days late

- If there is a situation which prohibits you from turning in your homework on time, talk to me before the due date.

Exams

Midterm exam: Tentatively 8th week of the semester on Monday

Final exam: Second week of the exam period

Attendance

- Attendance is part of the class work

- Attendance is required and attendance will be taken regularly.
    - No exceptions for this rule!!!!!!!
- You are responsible from all the subjects covered in the class.
- You will get a grade of NA if you miss more than 30% of the classes.

Homework Submission and Announcements

- All the class related announcements will be made either in class or by the class Teams pages.

- Students are required to read their emails regularly and check The class pages.

- The homeworks will be announced at the class pages

- The homeworks will be submitted at the class pages

Honor Code

- You should not misrepresent someone else's work as your own.

- Do not use work from someone else.

- All cases of confirmed cheating will be reported for disciplinary action.

Topics to Be Covered

- General Introduction
- Processes and threads

- Memory Management

- File Systems

- Input/Output

- Virtualization and cloud

- Security

- Deadlocks