Course Name	Course Code	Semester	T + P	Credit	ECTS
Operating Systems		5	3 + 0	3	5

Prerequisite Courses	None

Language of Course	Turkish
Course class	compulsory
Coordinator of Course	
Instructor	
Course Assistant	
Objective of Course	Structural organization of operating systems. It is aimed that the students have knowledge and accumulation in the processes such as scheduling, process synchronization, multi-process calculation, deadlock prevention, file system organization and security.
Course Learning Output	Ability to identify, solve and improve performance-enhancing techniques of operating system problems
Course Contents	In Computer Operating Systems course, the techniques are introduced in operating systems. Basic concepts and related operations in operating systems are examined.Topics that affect the performance of operating systems are discussed during the course.

Weeks	Topics
1	Introduction to operating systems
2	Processes
3	Process synchronization
4	Process communication
5	Process planning
6	Process planning
7	MIDTERM
8	Race conditions and locks
9	Memory management
10	Memory management
11	File system management
12	I / O device management
13	I / O device management
14	Application studies
15	FINAL EXAM

General Sufficiency
Synchronization, communication and management systems used in operating systems
References
Tanenbaum, AS, Modern Operating Systems, Prentice-Hall,
Assessment
Midterm exam: 40%, Final exam: 60%; Project or homework evaluations can be made at the beginning of the semester.