Course title		Code	semester	T+U	credit	ECTS
Operating systems			5	3	0	4

Prerequisite Courses	None
Language of the Course	English
Course Level	Undergraduate
Type of Course	Compulsory
Course Coordinator	
Instructors	
Course Assistants	
The aim of lesson	Explaining the structural organization of operating systems. students process planning, process synchronization, multi-process computing, deadlock information and information on issues such as blocking, file system organization and security. is intended to accumulate.
Course Content	Techniques used in operating systems in Computer Operating Systems course is being introduced. Basic concepts and related processes in operating systems is being examined. affecting the performance of operating systems throughout the course. topics are discussed.
Course Learning Outcomes	At the end of this course, the student; 1. Identifying and solving operating systems problems 2. Ability to develop performance enhancing techniques

Weeks	Topics
one	Introduction to Operating Systems
2	Operating System Configuration
3	Operating System Services
4	Processes
5	Thread Mechanism
6	Process Synchronization
7	Process Planning and Communication
8	Race Conditions and Deadlocks
9	Memory Management
10	File System
11th	File System Management
12	Big Data Storage Structure
13	I/O Device Management
14	Review of the Term

General Competencies

By learning the synchronization, communication and management systems used in operating systems,
Allows integration with different systems.

resources

Tanenbaum , AS, Modern Operating Systems , Prentice-Hall .

Evaluation System

The dates, days and hours of the Midterm Exam, Quiz, Final Exam and Evaluations will be announced later, according to the decision of the Faculty Administrative Board.

	WITH PROGRAM LEARNING OUTCOMES										
	COURSE LEARNING OUTCOMES RELATIONSHIP TABLE										
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
LO1	4	3	2	3	2	2	one	2	one	one	one
LO2	4	3	2	3	2	2	one	2	one	one	one
LO: Learning Outcomes OP: Program Outcomes											
Contri bution Level	**1 Very Low**		**2 Low**		**3 Medium**		**4 High**		**5 Very High**		

Relation of Program Outcomes and Related Course

Course name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Operating systems	4	3	2	3	2	2	one	2	one	one	one