Course Name	Course Code	semester	T + P	Credit	ECTS
System Programming		6	3 + 0	3	5

Prerequisite Courses	None

Language of Course	Turkish
Course class	compulsory
Coordinator of Course	
Instructor	
Course Assistant	
Objective of Course	It is aimed to develop programming techniques by using procedure concept and parameter communication techniques.
Course Learning Output	Loader, linker, micro programming, single and dual pass symbolic translators design skill
Course Contents	Design and implementation of various system software. Relations between machine architecture and system software. Introduction to Windows, Unix operating systems.

Weeks	Topics
1	Introduction to UNIX Systems
2	Unix File Systems
3	Text Editors and Command Interpreter Operators
4	Regular Expressions and Unix Window System
5	Unix Interpreter Environments and Script Concept
6	Script Programming - I
7	Script Programming - II
8	MIDTERM
9	Program Development Tools (gcc, make, gdb) and Other Tools (sed, awk)
10	File Management - I (open, creat, read, write, lseek)
11	File Management - II (chmod, chdir, link, fcntl, ioctl)
12	Process Management - I (fork, exec, wait)
13	Process Management - I (fork, exec, wait)
14	Basic Unix System Administration
15	FINAL EXAM

General Sufficiency
In evaluations, it is important for students to understand the main points of this lesson and use it in engineering applications.
References
Assessment
Midterm exam: 40%, Final exam: 60%; Project or homework evaluations can be made at the beginning of the semester.