



BILKENT UNIVERSITY
Department of Computer Technology and Information Systems
2018-2019 Fall Semester
CTIS486 - Syllabus

Course Code	CTIS 486
Course Name	Linux System Administration
Course Credit	3 hours lecture in lab
Instructor	Nimet Ceren SERİM
References	Main Reference: Linux Administration: A Beginners Guide, Wale Soyinka , 2009/5, Mcgraw Hill Helpful Books: Linux with Operating sytem concepts, Richard Fox
Assessments	Class Participation5% Projects and Presentations.....25% Quiz(es/may be popquiz) and tasks.....15% Midterm Exam20% Final (ALL Chapters).....35%

FZ Grade Policy

In order to qualify for the FINAL exam, the students should get at least 25 points (out of 65) from quiz and midterm, projects and class participation AND attend at least 50% of all the lecture hours.

Grading Scale:

The following grading scale will be used in this course. Passing grades range from A to D; F is a fail.

A	86 - 100
A-	82 - 85
B+	78 - 81
B	73 - 77
B-	70 - 72
C+	64 - 69
C	57 - 63
C-	52 - 56
D+	46 - 51
D	40 - 45
F	0 - 39

Changes:

The information contained in this course Syllabus is subject to change. Students will be informed about any changes either in the class and/or by e-mail and/or publishing at Moodle page. It is the responsibility of the student to regularly check STARS course online syllabus, moodle page and their Bilkent e-mail accounts to learn about any course related updates.

TENTATIVE COURSE OUTLINE

<i>Week</i>	<i>Topics</i>
Week #1 (Sept 24 - 29)	Course Overview and Syllabus
Week #2 (Oct 1 - 5)	Introduction and Basics: Directory structure, permissions, user management, packet management, basic commands, job control, compression, basic editing
Week #3 (Oct 8 - 12)	Regular Expressions, grep, find gzip, bzip2, packages
Week #4 (Oct 15 - 19)	Sed Awk
Week #5 (Oct 22 - 26)	Bash Programming
Week #6 (Oct 29 - Nov 2) QUIZ (31 Oct , Tuesday)	Bash Programming
Week #7 (Nov 5 - 9)	Basics of networking, NFS, FTP, SSH
Week #8 (Nov 12 - 16)	Basics of networking, NFS, FTP, SSH
Week #9 (Nov 19 - 23) MIDTERM I (21 Nov, Tuesday)	DNS
Week #10 (Nov 26 - 30)	Mail System, Server
Week #11 (Dec 3 - 7)	Mail System, Server
Week #12 (Dec 10 - 14)	Web, Apache, nginx configuration, wordpress
Week #13 (Dec 17 - 21)	MYSQL, Wiki

Week #14 (Dec 24 - 28)	Security, Samba, LDAP, DHCP
(Jan 2 -15, 2018)	FINAL EXAMS