KEMERBURGAZ UNIVERSITY
2016 - 2017 ACADEMIC YEAR SPRING SEMESTER
SYLLABUS

INSTITUTE	GRADUATE SCHOOL OF SCIENCE AND ENGINEERING
PROGRAMME	COMPUTER ENGINEERING
COURSE CODE AND TITLE	IT 540 OPERATING SYSTEMS ECE 519 ADVANCED OPERATING SYSTEMS
CREDIT	3 (5)
TEACHING MEMBER	Prof. Dr. Hasan Huseyin Balik
OBJECTIVE	
GRADING PROCEDURE	Midterm (Assignment) and Final
TEXT BOOK	1.Operating Systems, Eigth Edition, William Stallings, Prentice Hall 2015 2.Operatıng System Concepts, Ninth Edition, Peter Baer Galvin & Greg Gagne, Willey 2013 3.Modern Operating Systems, Forth Edition, Andrew S. Tanenbaum, Prentice Hall 2015 4.Operating Systems Design and Implementation, Third Edition, Andrew S. Tanenbaum & Amherst, Massachusetts, Prentice Hall 2006 5.Understanding Operating Systems, Seventh Edition, Ann McIver McHoes & Ida M. Flynn, Course Technology, Cengage Learning 2014
COURSE OUTLINE	1.Computer System Overview 2.Operating System Overview 3.Process Description and Control 4.Threads 5.Concurrency: Mutual Exclu¬sion and Synchronization 6.Concurrency: Deadlock and Starvation 7.Memory Management 8.Virtual Memory 9.Uniprocessor Scheduling 10.Multiprocessor and Real-Time Scheduling 11.I/O Management and Disk Scheduling 12.File Management 13.Embeded Operating Systems