

CMPE 160

Introduction to Object Oriented Programming

Spring 2018

Instructor:	Tuna Tuğcu	office: BM 43	ext: 7611	e-mail: tugcu@boun.edu.tr
Assistant:	TBA			
Timing & Place:	Lecture:	M 3 (KP 01), WW 67 (NH 405)		
	PS:	ThTh 56 (Section 1) or FF 34 (Section 2)		
Course book:	None. All course content is managed through Teaching.Codes system.			
Web Site:	None. All course content is managed through Teaching.Codes system.			
Aim:	This course aims familiarizing the students with object-oriented design and programming. In addition to the OO paradigm, basic data structures (stacks, queues, linked lists, trees) are taught. Java is used as the tool for programming.			
Grading:	Midterm #1	15%		
	Midterm #2	20%		
	Projects	30%	(3 projects)	
	Quizzes	15%		
	Final	20%		
Midterm dates:	Midterm #1: March 21, 2018	Midterm #2: April 25, 2018		
Tentative Course Outline:	Weeks 1&2:	Introduction; Software documentation		
	Weeks 2&3&4:	Classes and objects; Encapsulation		
	Weeks 5&6:	Inheritance; Packages; Interfaces		
	Weeks 7&8:	ArrayLists; Java Collections Framework		
	Week 9:	Algorithm Analysis		
	Week 10:	Lists, Stacks, and Queues		
	Weeks 11&12:	General tree structure; Binary trees; AVL trees; B-Trees		
	Weeks 13:	Hashing		
Course Policy:	Announcements are sent through the e-mail list. The e-mail list is constructed using the e-mail addresses in ÖBİKAS. Therefore, make sure that your ÖBİKAS information is up-to-date and you check that e-mail account daily. All lecture notes and exam results are made available through Teaching.Codes system. We apply “no mercy” rule for cheaters. Please stick with the honour code.			