CMPE 160
Introduction to Object Oriented Programming

Spring 2016

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Timing & Place:	Lecture:	M 6 (NH 401), WW 23 (NH 201)
	PS:	WW78 (B4) or ThTh 78 (A4)

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: April 6, 2016** **Midterm #2: May 4, 2016**

Tentative Course Outline:

Weeks 1&2:	Introduction; Software documentation; Javadoc
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 posted on the course web site and also propagated through the e-mail list. The students are responsible for following all announcements.
We apply “no mercy” rule for cheaters. Please stick with the honor code.