

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 5, 2016** **Midterm #2: May 3, 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.