CMPE 160  
Introduction to Object Oriented Programming  
Fall 2010

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Course book:  
- Building Java Programs: A Back to Basics Approach  
  by Stuart Reges and Marty Stepp, Addison Wesley, 2007
- Additional lecture notes will be made available when necessary

Web Site: http://www.cmpe.boun.edu.tr/courses/cmpe160/fall2010

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:  
- Midterms 30%  (2 midterms)
- Projects 30%  (3 projects)
- Quizzes 15%
- Final 25%

Tentative Course Outline:  
- Week 1: Introduction, software documentation, Javadoc  
- Weeks 2&3: Classes and objects, encapsulation
- Weeks 4&5: Inheritance and polymorphism
- Week 6: Recursion
- Weeks 7&8: Lists, array lists
- Week 9: Stacks and queues
- Week 10: Trees
- Weeks 11&12: Binary trees
- Week 13: Heap

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. Read the COURSE POLICY on the web page for the detailed meaning of "cheating."