CMPE 160
Introduction to Object Oriented Programming

Spring 2010

Instructor: Tuna Tuğcu office: ETA 43 ext: 7611 e-mail: tugcu@boun.edu.tr
Assistants: Salim Eryiğit office: ETA 41 ext: 7686 e-mail: eryigit@boun.edu.tr
Akın Günay office: ETA 31 ext: 7095 e-mail: akin.gunay@boun.edu.tr

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

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 25% (3 projects)
Class & lab participation 10%
Quizzes 10%
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."