CMPE 160
Introduction to Object Oriented Programming
Spring 2020

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Assistant: TBA

Timing & Place:
Lecture: M 3 (Online), WW 67 (Online)
PS: FF 34 (Online)

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 20%
- Projects 30% (3-4 projects)
- Quizzes 30%
- Final 20%

Midterm dates: TBA

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.