

Syllabus for
swe510 Data Structures and Algorithms

(3+0+0) 3 ECTS 8

2016 Fall

Catalog Definition

Specification, usage and implementation and analysis of advanced data structures and algorithms. Hashing, heap structures, advanced sorting techniques, graphs and algorithm design techniques.

Web Site

<http://www.cmpe.boun.edu.tr/tr/courses/swe510>.

General Information

Instructor	Haluk O. Bingol, bingol@boun.edu.tr
TA	none
Student TA	none
Course Schedule	WWW 111213 @ BM A5, BM A5, BM A5,
PS Schedule	none

Grading

Contribution	10 %
Midterm 1	25 %
Midterm 2	30 %
Final	35 %
Presentations	as bonus

Exams are on computer using teaching.codes..

Text Book

- Algorithms 4e, Sedgewick and Wayne, Addison-Wesley 2011

Reference Books

none

Weekly Program (Tentative)

week	Subject
1-2	Eclipse, Java
3-4	Hashing
5-6	Heap
7	mt1
8-9	Sorting
10	mt2
11-12	Graphs