

Instructors:	Assoc.Prof.Dr.Mehmet Baysan Assoc.Prof.Dr.Tolga Ovatman
Contact:	baysanm@itu.edu.tr ovatman@itu.edu.tr

Text Book: Data Structures and Algorithms in C++, 2nd Ed., *Michael T. Goodrich, Roberto Tamassia, David Mount*, Wiley and Sons.

Lectures	Topic	ACTIVITY
20-21 Sep	Introduction – C++ (I/O, classes, templates, STL)	
27-28 Sep	Pointers, Arrays and Memory Management	
04-05 Oct	Single Linked Lists and Algorithmic Complexity	Homework 1
11-12 Oct	Linked List Variants	
18-19 Oct	Stacks / Queue	
25-26 Oct	Recursion	
01 Nov	MIDTERM I	
07-11 Nov	FALL BREAK	
15-16 Nov	Tree Data Structure and Tree Traversals	
22-23 Nov	Binary Search Trees	
29-30 Nov	Tries and Balanced Trees	Homework 2
06-07 Dec	Heaps and Skip Lists	
13-14 Dec	Graphs	
20-21 Dec	Hashing and Maps	
27 Dec	MIDTERM II	

Grading

- Homeworks: 2x 10pt. each
- **Pop Quizzes:** 3x 10pt. (best two out of three)
- Midterms: 2 x 30pt. each
- Final: No final exam
- Homeworks will be subject to plag checks, submissions over a certain threshold will be directly included as 0 in grades.

You can follow the course announcements and exam results from the Ninova system (<http://ninoa.itu.edu.tr/>).