

BLG102E – INTRODUCTION TO SCIENTIFIC AND ENGINEERING COMPUTATION

2021-2022 SPRING

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Textbook: “C++ for Everyone”, Cay Horstmann, Wiley, 2011, ISBN: 978-0-470-92713-7.

Weekly Plan

Week	Date	Topic	Exam
1	22 Feb 2022	Introduction	
2	1 Mar 2022	Data Types, Variables	
3	8 Mar 2022	Decision	
4	15 Mar 2022	Repetition	
5	22 Mar 2022	Functions	
6	29 Mar 2022	Functions (Scope)	
7	5 Apr 2022	Arrays	Midterm 1
8	12 Apr 2022	Arrays and Functions	
9	19 Apr 2022	Pointers and Strings	
10	26 Apr 2022	Dynamic Memory Management	Midterm 2
	3 May 2022	TERM BREAK	
11	10 May 2022	Structures	
12	17 May 2022	File Operations	
13	24 May 2022	Preprocessing	Midterm 3
14	31 May 2022	Classes	

Grading

- Midterm exams: 2 x 25% (best 2 of 3)
- Lab assignments: 10 x 1% (best 10 of 14)
- Final exam: 40%
- Students whose weighted average of the midterm exam grades is less than 30/100 will fail with the grade VF and cannot take the final exam.

- Students who attend less than 10 of the 14 lab sessions will fail with the grade VF and cannot take the final exam.
- Students whose end of term overall average is less than 40/100 will fail.

Important Notes

- You have to follow the course announcements, your exam results and attendance status on the Ninova system (<http://ninova.itu.edu.tr/>). Check the Ninova site regularly for updates.
- Course related e-mail notifications will be sent to your ITU account; check it regularly.
- When sending e-mail to the instructors or assistants, use your ITU account and always include your full name at the end of the message. Also include the course code (BLG102E) in the subject of your message.
- You are expected to know everything that was announced in the classroom. There does not necessarily have to be an announcement on Ninova. If you have missed a class, ask your classmates if there were any announcements that you need to know.
- All of the works expected from the students are individual. In other words, collaboration on any graded activity is not allowed. You are encouraged to help your classmates understand the material, but you should avoid discussing any issues specific to graded work. You should definitely not share any graded document for any reason with anybody.
- Any form of cheating or plagiarism will not be tolerated. This includes actions such as, but not limited to, submitting the work of others as one's own (even if in part and even with modifications), providing work for others to submit and copy/pasting from other resources (including Internet pages, even if attributed). Serious offenses will be reported to the faculty administration for disciplinary measures. Carefully read the following document prepared by the Student Affairs Office: <http://www.odek.itu.edu.tr/?SayfaId=13>