

BLG102E – INTRODUCTION TO SCIENTIFIC AND ENGINEERING COMPUTATION

2019-2020 SPRING

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Textbook: “C++ For Everyone” (2nd ed.), Cay Horstmann, Wiley, 2011, ISBN 978-0-470-92713-7.

Weekly Plan

Week	Date	Topic	Exam
1	10-12 Feb 2020	Introduction	
2	17-19 Feb 2020	Data Types, Variables	
3	24-26 Feb 2020	Decision Structures	
4	2-4 Mar 2020	Repetition Structures	
5	9-11 Mar 2020	Functions	
6	16-18 Mar 2020	Functions (Scope)	Midterm 1
7	23-25 Mar 2020	Arrays	
		TERM BREAK	
8	6-8 Apr 2020	Arrays and Functions	
9	13-15 Apr 2020	Pointers and Strings	
10	20-22 Apr 2020	Dynamic Memory Management	
11	27-29 Apr 2020	Structures	
12	4-6 May 2020	File Operations	Midterm 2
13	11-13 May 2020	Preprocessing	
14	18-20 May 2020	Classes	

Grading

- There are two midterm exams and a final exam. The first midterm exam has 20% weight, the second midterm exam has 30% weight, and the final exam has 50% weight.
- Students who attend less than 70% (49/70 hours) of classes will fail with the grade VF and cannot take the final exam.
- Students whose weighted average of the midterm exam grades is less than 25/100 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.
- Attendance will be checked on all five hours of the sessions.
- All homework in this course consists of individual assignments. In other words, collaboration on the assignments is not allowed. You are encouraged to help your classmates understand the material, but you should refrain from discussing any issues specific to the assignment. You should definitely not share any assignment documents 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/?Sayfald=13>