BLG458E – FUNCTIONAL PROGRAMMING

2018-2019 SPRING

Instructor:	H. Turgut UYAR	uyar@itu.edu.tr
Assistant:	Talha ÇOLAKOĞLU	colakoglut@itu.edu.tr

Textbook: "Haskell: The Craft of Functional Programming" (3rd ed), Simon Thompson, Addison-Wesley, 2011, ISBN 978-0-201-88295-7.

Weekly Plan

Week	Date	Lecture	Exercise	Exam
1	8 Feb 2019	Introduction		
2	15 Feb 2019	Recursion		
3	22 Feb 2019	Pattern Matching		
4	1 Mar 2019	Lists	Weeks 2, 3, 4	
5	8 Mar 2019	Input/Output		Midterm 1
6	15 Mar 2019	Higher Order Functions		
7	22 Mar 2019	Higher Order List Functions		
	29 Mar 2019	TERM BREAK		
8	5 Apr 2019	Function Closures	Weeks 6, 7, 8	
9	12 Apr 2019	Type System		
10	19 Apr 2019	Functional Data Structures		
11	26 Apr 2019	Lazy Evaluation		Midterm 2
12	3 May 2019	Functors	Weeks 9, 10, 11	
13	10 May 2019	Monads - I		
14	17 May 2019	Monads - II	Weeks 12, 13, 14	

Grading

- There are two midterm exams (20% each), one project (20%), and a final exam (40%).
- Students who don't meet the 70% attendance requirement (20/28 hours) fail with the grade VF and can not take the final exam.
- Students whose weighted average of the midterm exams is less than 30/100 fail with the grade VF and can not take the final exam.
- Students who don't fail with the grade VF but whose overall grade average is less than 40/100 fail with the grade FF.

Important Notes

- Follow the course announcements, your exam results and your attendance status on the Ninova system (http://ninova.itu.edu.tr/). Check the 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 in your message. Also include the course code (BLG458E) in the subject of your message.
- You are required to know everything that was announced in the classroom. There does not necessarily have to be any announcement on Ninova. If you have missed a class, ask your classmates if there were any announcements that you need to know about.
- Attendance will be checked on both hours and announced as "-", "1", or "2" on Ninova. On the classroom plan, write your name and student number into the box where you sit, and sign underneath.
- 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) and copy/pasting from other resources (including Internet pages, even if attributed). Serious offenses will be reported to the faculty administration for disciplinary action. Carefully read the following document prepared by the Student Affairs Office: http://www.odek.itu.edu.tr/?Sayfald=13