

Agenda for CSCE 590 class meeting of 2020-09-17 (Class 9: 1 of Week 5; Online)

1. Remember to record the session!

WEEK	TOPIC	SOURCE
1 (8/20, 8/25)	Introduction and the GHC Compiler and Haskell Platform	Chs. 1 and 2 [H]
2 (8/27, 9/1)	Types and Classes	Ch.3 [H]
3 (9/3, 9/8)	Defining Functions and List Comprehensions	Chs. 4 and 5 [H]
4 (9/10, 9/15)	Recursive Functions	Ch. 6 [H]
5 (9/17, 9/22)	Higher-Order Functions	[B] and Ch.7 [H]
6	Declaring Types and Classes and the Countdown Problem	Chs. 8 and 9 [H]
7	Review and Midterm	
8	Interactive Programming	Ch. 10 [H]
9	Two-person Games	Ch. 11 [H]
10	Functors, Applicatives, and Monads	Ch. 12 [H]
11	Monadic Parsing	Ch. 13 [H]
12	Foldables and Lazy Evaluation	Chs. 14 and 15 [H]
13	Reasoning about Programs	Chs. 16 and 17 [H]
14	Functional (Persistent) Data Structures	Instructor's Notes
	Final Exam: December 10, 9 a.m., in the classroom	

- Check email to see whether students are emailing reports of trouble.
- Ask student to use chat for questions and mute audio and video on their side, to limit clutter and bandwidth.
- Virtual Office Hours. I expect to have virtual office hours on Blackboard Collaborate Ultra from 1500-1800 on Mondays. Office hours are canceled until further notice. Please email me for meetings.
- Review HW3, which was due on Tuesday, September 15, and consisted of exercises 1-4 at the end of Ch.3 [H] and exercises 1 and 8 at the end of Ch.4 [H] Note that most of these are programming exercises Highlight the (mis-)use of `where` clauses and the function `apply`.
- HW4: Exercises 1-9 Ch.5 [H], due on Tuesday, September 22. HW5: Exercises 4, 7-9 Ch. 6 [H], due on Thursday, September 24. Details in the departmental dropbox.
- HW6: View a lecture on FP/FL by Dr. John Backus and answer the questions. See the main course website for details. Direct link to worksheet:
<https://cse.sc.edu/~mgv/csce590f20/hw/hw6.pdf>. **This assignment is due on Tuesday, 2020-09-22.**
- Ch.7 [H]: Higher-Order Functions.
- Ch. 4 [TFWH]: Lists.
- Make sure that the students are fine and wait for questions before ending the session.