

## Agenda for CSCE 590 class meeting of 2020-10-06 (Class 14: 2 of Week 7; 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 & 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 & 5 [H]
4 (9/10, 9/15)	Recursive Functions	Ch. 6 [H]
5 (9/17, 9/22)	Higher-Order Functions	[B] & Ch.7 [H]
6(9/23, 9/29)	Declaring Types and Classes and the Countdown Problem	Chs. 8 and 9 [H]
<b>7(10/01, 10/6)</b>	<b>Review and the Countdown Problem (was: Review and Midterm)</b>	<b>Chs. 8 and 9 [H]</b>
8	<i>Midterm and</i> 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 & 15 [H]
13	Reasoning about Programs	Chs. 16 & 17 [H]
14	Functional (Persistent) Data Structures	Notes
	Final Exam: December 10, 9 a.m.	

- 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.
- HW7: Exercises 1-10 Ch.7 [H], due on Tuesday, October 6.
- HW8: Exercises 1-8 Ch.8 [H], due on Tuesday, October 13.**
- The midterm will be on Thursday, 10/8.** Note that the deadline for W is 11/4 and the midpoint of the semester is 10/12.
- An extended programming example from Ch.8 [H] (Declaring Types and Classes): Abstract Machine (8.7).
- Ch.9 [H]: The Countdown Problem. It is very strongly recommended that you watch Dr. Graham Hutton's video lecture on this topic. The link (which is also on the main course website) is: <https://channel9.msdn.com/Series/C9-Lectures-Erik-Meijer-Functional-Programming-Fundamentals/C9-Lectures-Dr-Graham-Hutton-Functional-Programming-Fundamentals-Chapter-11-of-13>
- Ch.5 [TFWH]: A Simple Sudoku Solver.
- Make sure that the students are fine and wait for questions before ending the session.