

## Agenda for CSCE 590 class meeting of 2020-10-27 (Class 20: 2 of Week 10; 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]
7 (10/01, 10/6)	Review and the Countdown Problem (was: Review and Midterm)	Chs. 8 and 9 [H]
8 (10/08, 10/13)	<i>Midterm</i> and a Simple Sudoku Solver	Ch. 5 [TFWH]
9 (10/15, 10/20)	The Countdown Problem; Denotational Semantics	Ch.9 [H], Notes
<b>10 (10.22, 10/27)</b>	<b>Interactive Programming and Two-person Games</b>	<b>Chs. 10 &amp; 11 [H]</b>
11	Functors, Applicatives, and Monads	Ch. 12 [H]
12	Monadic Parsing	Ch. 13 [H]
13	Foldables and Lazy Evaluation	Chs. 14 & 15 [H]
14	Reasoning about Programs	Chs. 16 & 17 [H]
<del>15</del>	<del>Functional (Persistent) Data Structures</del>	<del>Notes</del>
	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.
- HW9: Exercises 1-5 Ch.9 [H], due on Tuesday, October 27.
- HW10: Exercises 1-6 Ch.10 [H], due on Thursday, October 29.
- HW11: Exercises 1-3 Ch.11 [H], due on Tuesday, November 3.
- Ch.10 [H]: Interactive Programming: Conway's Game of Life (Sect.10.8 [H]).
- Ch.11 [H]: Two-Person Games.
- Formal semantics: Axiomatic Semantics. A presentation based on Ch.9 ("An Introduction to Formal Semantics") of: Carlo Ghezzi and Mehdi Jazayeri. *Programming Language Concepts*, 2<sup>nd</sup> ed. Wiley, 1987.
- Ask students to have the required textbook [H] with them during class.
- No attendance will be taken for the class of Tuesday, November 3 (Election Day). Further information will be given later.
- Make sure that the students are fine and wait for questions before ending the session.