Agenda for CSCE 590 class meeting of 2020-10-22 (Class 19: 1 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)	*Midterm and* a Simple Sudoku Solver	Ch. 5 [TFWH]
9 (10/15, 10/20)	The Countdown Problem; Denotational Semantics	Ch.9 [H], Notes
10 (10.22, 10/25)	**Interactive Programming and Two-person Games**	**Chs. 10 & 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.	

2. Check email to see whether students are emailing reports of trouble.
3. Ask student to use chat for questions and mute audio and video on their side, to limit clutter and bandwidth.
4. 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.
5. HW9: Exercises 1-5 Ch.9 [H], due on Tuesday, October 27.
6. HW10: Exercises 1-6 Ch.10 [H[, due on Thursday, October 29.
7. Ch.10 [H]: Interactive Programming.
8. Formal semantics: Axiomatic Semantics. A presentation based on Ch.9 ("An Introduction to Formal Semantics") of: Carlo Ghezzi and Mehdi Jazayeri. *Programming Language Concepts*, 2nd ed. Wiley, 1987.
9. Ask students to have the required textbook [H] with them during class.
10. Make sure that the students are fine and wait for questions before ending the session.