Agenda for CSCE 590 class meeting of 2020-11-24, Class 26: 1 of Week 14; 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, 10/27)	Interactive Programming and Two-person Games	Chs. 10 & 11 [H]
11(10.29, 11/3)	Two-person Games; Functors, Applicatives, and Monads	Chs 11 & 12 [H]
12(11/5, 11/10)	Functors, Applicatives, and Monads; Monadic Parsing	Ch. 12 [H]
13 (11/12, 11/17)	Functors, Applicatives, and Monads; Lazy Evaluation	Chs. 12 & 15 [H]
14 (11/19, 11/24)	**Functors, Applicatives, and Monads; Lazy Evaluation; Reasoning about Programs (?)**	**Chs. 12, 15, &16 [H] (?)**
~~15 (half week)~~	~~Review (?)~~	~~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.
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.
5. Student course surveys for the Fall 2020 semester go out this week. The survey will be launched on November 18. You will receive an email notice on that date. The final exam will be on December 10, Thursday; it will be assigned at 9am and due by the end of the day, with a time limit of 2.5 hours.
6. The last classes will be Thursday, 11-19, Tuesday, 11-23, and Tuesday, December 1.
7. HW12: Exercises 1-5 Ch.12 [H], due on Thursday, November 19. Please redo as indicated in dropbox.
8. HW13: Exercises 7-8 Ch. 12 [H], due on Tuesday, November 24.
9. HW14: Exercises 1-6 Ch. 15 [H], due on Tuesday, December 1. This is the last planned homework assignment.
10. Sections 10.2 and 10.2 [TFWH]: The >> (monad sequencing) operator and how it is related to >>= ("bind," monad sequencing with value passing); why there is (almost) no function of type *IO a -> a*; the monad laws expressed in do notation.
11. Ch. 15 [H]: Lazy Evaluation.
12. Video by Graham Hutton, with an introduction to infinite data structures.
13. Ask the students questions related to (some of) the course learning outcomes in the syllabus, using the Blackboard Collaborate Ultra survey tool.
14. Ask students to have the required textbook [H] with them during class.
15. Make sure that the students are fine and wait for questions before ending the session.