Agenda for CSCE 531 class meeting of 2021-04-13 (Class 25: 1 of Week 14; Online)

1. **Remember to record the session!**

WEEK	TOPIC	SOURCE
1 (1/12,14)	Introduction: Syntax, Semantics, and Language Processors	Sect. 16.7[H]
2 (1/19,21)	Introduction: Syntax, Semantics, and Language Processors	*Ch.2 [W]; Ch.13 [M10];* Ch.1 [R]; *Ch.1 [W];*
3 (1/26,28)	*Introduction: Syntax, Semantics, and Language Processors* Lexical Analysis	*Ch.1 [R];* Ch.1 [M]; Chs. 2-3 [R]
4 (2/2.4)	Lexical Analysis	Ch.1 [M]; Chs. 2-3 [R]; *Ch.4 [W]*
5 (2/9,11)	*Lexical Analysis*; Syntactic Analysis	*Ch.1 [M]; Ch.4 [W];* Ch.2 [M]; Chs. 2-3 [R]
6 (2/16,18)	Syntactic Analysis	Ch.2 [M]; Chs. 2-3[R]
7(2/23,25)	*Syntactic Analysis*; Alex, Happy, and BNFC; Wellness Holiday	*Ch.2 [M]; Chs. 2-3[R]***;** Ch. 2 [R]; Manuals
8 (3/2,4)	*Syntactic Analysis*; Alex, Happy, and BNFC; Scopes and Symbol Tables	*Ch.2 [M]; Chs. 2-3[R];* Ch.3 [M]
9 (3/9,11)	*Syntactic Analysis;* ~~Review (if time permits) and Midterm~~	*Ch.2 [M]; Chs. 2-3[R];*
10 (3/16,18)	*Midterm*; *Alex, Happy, and BNFC*; Scopes and Symbol Tables; Interpretation	*Chs. 2-3[R];Chs.3-4 [M],* Ch.5 [R]; Ch.8 [W]
11 (3/23,25)	Scopes and Symbol Tables; *Interpretation*; Type Checking	Chs. *4*,5 [M], Ch.4 [R]
12 (3/30 & 4/1)	Wellness Holiday and *Type Checking* Intermediate-Code Generation	Ch5 [M], Ch.4 [R], Ch.6 [M]
13 (4/6,8)	*Intermediate-Code Generation and* Machine Code Generation	*Ch.6 [M],* Ch.7 [M]
14 (4/13,15)	***Machine Code Generation and* Register Allocation**	***Ch.7 and* Ch.8 [M]**
15 (4/20,22)	Functions	Ch. 9 [M]
May 4	Final Exam: May 4, 1600	

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. Please email me if you want to meet me online.
5. Introduction of students and instructor.
6. HW7 assigned, due 2021-04-06: Exercises 4.0, 4.1, 4.2, 4.3, 4.4 [R]. For exercise 4.3, replace the beginning of the question with: "Using the pseudocode for this section, write the check functions for while statements, etc."
7. HW8 assigned, due 2021-04-13: Exercises 6.1, 6.2, 6.3 [M].
8. PR1 assigned, due 2021-04-15. (Update posted on the main website.)
9. For graduate credit: please choose a paper for presentation/report/reconstruction. Email your proposal with "531 Graduate Work" in the subject line. Your work is due on April 26, 2021.
10. Machine Code Generation. Start Register Allocation.
11. Make sure that the students are fine and wait for questions before ending the session.