

Agenda for CSCE 531 class meeting of 2022-04-22 (Class 28: 2 of Week 15; Last Day of Classes; 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	<i>Ch.2 [W]; Ch.13 [M10]; Ch.1 [R]; Ch.1 [W];</i>
3 (1/26,28)	<i>Introduction: Syntax, Semantics, and Language Processors</i> Lexical Analysis	<i>Ch.1 [R]; Ch.1 [M]; Chs. 2-3 [R]</i>
4 (2/2,4)	Lexical Analysis	Ch.1 [M]; Chs. 2-3 [R]; <i>Ch.4 [W]</i>
5 (2/9,11)	<i>Lexical Analysis</i> ; Syntactic Analysis	<i>Ch.1 [M]; Ch.4 [W]; Ch.2 [M]; Chs. 2-3 [R]</i>
6 (2/16,18)	Syntactic Analysis	Ch.2 [M]; Chs. 2-3[R]
7(2/23,25)	<i>Syntactic Analysis</i> ; Alex, Happy, and BNFC; Wellness Holiday	<i>Ch.2 [M]; Chs. 2-3[R]; Ch. 2 [R]; Manuals</i>
8 (3/2,4)	<i>Syntactic Analysis</i> ; Alex, Happy, and BNFC; Scopes and Symbol Tables	<i>Ch.2 [M]; Chs. 2-3[R]; Ch.3 [M]</i>
9 (3/9,11)	<i>Syntactic Analysis</i> ; Review (if time permits) and Midterm	<i>Ch.2 [M]; Chs. 2-3[R];</i>
10 (3/16,18)	<i>Midterm</i> ; Alex, Happy, and BNFC; Scopes and Symbol Tables; Interpretation	<i>Chs. 2-3[R]; Chs.3-4 [M], Ch.5 [R]; Ch.8 [W]</i>
11 (3/23,25)	Scopes and Symbol Tables; <i>Interpretation</i> ; Type Checking	Chs. 4,5 [M], Ch.4 [R]
12 (3/30 & 4/1)	Wellness Holiday and <i>Type Checking</i> Intermediate-Code Generation	Ch5 [M], Ch.4 [R], Ch.6 [M]
13 (4/6,8)	<i>Intermediate-Code Generation</i> and Machine Code Generation	<i>Ch.6 [M], Ch.7 [M]</i>
14 (4/13,15)	<i>Machine Code Generation</i> and Register Allocation	<i>Ch.7 and Ch.8 [M]</i>
15 (4/20,22)	<i>Register Allocation, Functions, and Optimization</i>	<i>Ch. 8, Ch. 9, and Ch.10 [M]</i>
May 4	Final Exam: Due on May 4 at 18:30.	

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. **The final exam will be a take-home exam.**
7. 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.
8. Functions and Optimization.
9. Make sure that the students are fine and wait for questions before ending the session.