

Agenda for CSCE 531 class meeting of 2021-02-16 (Class 11: 1 of Week 6; 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)	Alex, Happy, and BNFC; Wellness Holiday	Ch. 2 [R]; Manuals
8 (3/2,4)	Scopes and Symbol Tables	Ch.3 [M]
9 (3/9,11)	Review (if time permits) and Midterm	
10 (3/16,18)	Interpretation	Ch.4 [M], Ch.5 [R]; Ch.8 [W]
11 (3/23,25)	Type Checking	Ch.5 [M], Ch.4 [R]
12 (3/30 & 4/1)	Wellness Holiday and Intermediate-Code Generation	Ch.6 [M]
13 (4/13,15)	Machine Code Generation	Ch.7 [M]
14 (4/20,22)	Register Allocation	Ch.8 [M]
15 (4/20,22)	Functions	Ch. 9 [M]
May 4	Final Exam: May 4, 1600	

- 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. Please email me if you want to meet me online.
- Introduction of students and instructor.
- HW2 assigned, due 2021-02-02 (Tuesday): exercises 1-0, 1-1, 1-2 [R]. Note that the exercises in [R] are interspersed throughout the text; they are not at the end of chapters.
- HW3 assigned, due 2021-02-11 (Thursday): Exercise 1.4 [M].
- HW4 assigned, due 2021-02-18 (Thursday): Exercises 1.6, 1.8, and 1.9 [M]. For Exercise 1.6, you must carry out the minimization algorithm described in Section 1.7 [M] and show the steps: do not use a different minimization algorithm!
- Syntax analysis: context-free grammars.
- Make sure that the students are fine and wait for questions before ending the session.