

## Agenda for CSCE 531 class meeting of 2021-04-08 (Class 24: 2 of Week 13; 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> ; <del>Review (if time permits) and Midterm</del>	<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]
<b>13 (4/6,8)</b>	<b><i>Intermediate-Code Generation and Machine Code Generation</i></b>	<b><i>Ch.6 [M], Ch.7 [M]</i></b>
14 (4/13,15)	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.
- 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."
- HW8 assigned, due 2021-04-13: Exercises 6.1, 6.2, 6.3 [M].
- PR1 assigned, due 2021-04-15. (Will be posted on the main website.)
- For graduate credit: please choose presentation/report/reconstruction. Email your proposal with "531 Graduate Work" in the subject line.
- Syntax analysis: Intermediate Code Generation; Machine Code Generation.
- Make sure that the students are fine and wait for questions before ending the session.