Agenda for CSCE 531 class meeting of 2021-02-02 (Class 7: 1 of Week 4; Online)

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

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
<th>SOURCE</th>
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<tbody>
<tr>
<td>1 (1/12,14)</td>
<td><strong>Introduction: Syntax, Semantics, and Language Processors</strong></td>
<td>Sect. 16.7[H]</td>
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<tr>
<td>2 (1/19,21)</td>
<td><strong>Introduction: Syntax, Semantics, and Language Processors</strong></td>
<td>Ch.2 [W]; Ch.13 [M10]; Ch.1 [R]; Ch.1 [W];</td>
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<tr>
<td>3 (1/26,28)</td>
<td><strong>Introduction: Syntax, Semantics, and Language Processors</strong></td>
<td>Ch.1 [R]; Ch.1 [M]; Chs. 2-3 [R]</td>
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<tr>
<td>4 (2/2.4)</td>
<td><strong>Lexical Analysis</strong></td>
<td>Ch.1 [M]; Chs. 2-3 [R]; Ch.4 [W]</td>
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<tr>
<td>5 (2/9,11)</td>
<td><strong>Syntactic Analysis</strong></td>
<td>Ch.2 [M]; Chs. 2-3 [R]</td>
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<tr>
<td>6 (2/16,18)</td>
<td><strong>Syntactic Analysis</strong></td>
<td>Ch.2 [M]; Chs. 2-3[R]</td>
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<td>7 (2/23,25)</td>
<td><strong>Alex, Happy, and BNFC; Wellness Holiday</strong></td>
<td>Ch. 2 [R]; Manuals</td>
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<td>8 (3/2,4)</td>
<td><strong>Scopes and Symbol Tables</strong></td>
<td>Ch.3 [M]</td>
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<td>9 (3/9,11)</td>
<td><strong>Review (if time permits) and Midterm</strong></td>
<td>Ch.4 [M], Ch.5 [R]; Ch.8 [W]</td>
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<tr>
<td>10 (3/16,18)</td>
<td><strong>Interpretation</strong></td>
<td>Ch.5 [M], Ch.4 [R]</td>
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<td>11 (3/23,25)</td>
<td><strong>Type Checking</strong></td>
<td>Ch.6 [M]</td>
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<td>12 (3/30 &amp; 4/1)</td>
<td><strong>Wellness Holiday and Intermediate-Code Generation</strong></td>
<td>Ch.7 [M]</td>
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<td>13 (4/13,15)</td>
<td><strong>Machine Code Generation</strong></td>
<td>Ch.8 [M]</td>
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<td>14 (4/20,22)</td>
<td><strong>Register Allocation</strong></td>
<td>Ch.9 [M]</td>
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<td>15 (4/20,22)</td>
<td><strong>Functions</strong></td>
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<td>May 4</td>
<td><strong>Final Exam: May 4, 1600</strong></td>
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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. **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.
7. **HW3 assigned, due 2021-02-11 (Thursday): Exercise 1.4 [M].**
8. **Lexical analysis: regular expressions, NFAs, DFAs.**
9. **Make sure that the students are fine and wait for questions before ending the session.**