

Upcoming Readings

This handout details the topics for the upcoming few weeks, along with the associated readings from the *Compilers* and *Parsing Techniques* books. Depending on how quickly we're able to move, this schedule may end up desyncing from what actually gets covered in class, but I doubt that we will be more than one lecture ahead or behind at any point. I will post a follow-up to this handout with readings for later in the course once we've finished covering parsing.

Here, **C** refers to *Compilers: Principles, Techniques, & Tools, Second Edition* by Aho, Lam, Sethi, and Ullman. **PT** refers to *Parsing Techniques: A Practical Guide, Second Edition* by Grune and Jacobs.

<p>Monday, June 20</p> <p>Course Introduction Overview of Compilers</p> <p>C Chapters 1 – 2</p>	<p>Wednesday, June 22</p> <p>Lexical Analysis</p> <p>C 3.1 – 3.4, 3.6</p>	<p>Friday, June 24</p> <p>Lexical Analysis with flex Introduction to Parsing</p> <p>C 3.5, 4.1 – 4.4</p>
<p>Monday, June 27</p> <p>Top-Down Parsing: Recursive Descent LL(1) Shift/Reduce Parsing</p> <p>C 4.4, 4.5 PT 8.1, 8.2</p>	<p>Wednesday, June 29</p> <p>Bottom-Up Parsing: LR(0) SLR</p> <p>C 4.5 PT 9.4, 9.5</p>	<p>Friday, July 1</p> <p>Bottom-Up Parsing: Parsing with bison LR(1) LALR(1)</p> <p>C 4.6 – 4.7, 4.9 PT 9.6.1, skim 9.7</p>
<p>Monday, July 4</p> <p>NO CLASS</p>	<p>Wednesday, July 6</p> <p>More Powerful Parsers Parsing with Ambiguity Earley's Method</p> <p>PT 3.7, 7.1 – 7.2</p>	<p>Friday, July 8</p> <p>Intersection Parsing</p> <p>PT Ch. 13</p>