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Optional Resources

There is no required textbook for the course. For those who are interested in supplemental readings, there are three recommended sources, listed below. These books do not cover the material in the same way as in the course and are strictly optional, but it can be helpful to get a different perspective from a different source.

Clark et al., [The handbook of Computational Linguistics and Natural Language Processing](#) (can be viewed for free in google books, or can be [viewed and downloaded](#) for free using the UC Davis library VPN)

Anderson, [Essentials of Linguistics](#) (free, covers introductory linguistics material)

E. Bender, [Linguistic fundamentals for natural language processing](#) (free PDF from UC Davis network, or using the library VPN)

A. Ojeda, [A computational introduction to linguistics](#) (ebook, not free, \$25. Covers some of the linguistics material from a related but different perspective. Does not include formal languages and automata.)

A prolog tutorial: <http://www.learnprolognow.org>

Recommended readings by week

Weeks 2 and 3

Formal languages and automata: [The handbook of Computational Linguistics and Natural Language Processing](#), Chapter 1, sections 1 to 4 (everything up to, and not including, context-free languages). The [book is available to us for free](#) online using the UC Davis library VPN.

Weeks 4 and 5

Phonetics, Phonology: [Essentials of Linguistics](#), Chapters 2, 4 (especially 4.1-4.3).

Week 6

Morphology: Essentials of Linguistics, [Chapter 6](#)

Weeks 7 and 8

CFG: [The handbook of Computational Linguistics and Natural Language Processing](#), Chapter 1, sections 5 (context free grammars) and 6 (the Chomsky hierarchy). The [book is available to us for free](#) online using the UC Davis library VPN.

Syntax: [Essentials of Linguistics](#), Chapters 7 and 8.