Detailed Reading List (in addition to the lecture slides!)

Jurafsky, D., & J. H. Martin: *Speech and Language Processing*, 2008. Pearson Education (Prentice Hall).

- ▶ Chapters: 1 – 2
- ▶ Ch. 4: sections 4 – 4.5.1.
- ▶ Ch. 5: sec. 5 – 5.5, 5.7
- ▶ Ch. 6: sec. 6 – 6.4
- ▶ Ch. 12: sec. 12 – 12.4
- ▶ Ch. 13: sec. 13 – 13.4
- ▶ Ch. 20: sec. 20.7
- ▶ Ch. 23: sec. 23.1 – 23.1.4

Manning, C. D., P. Raghavan, & H. Schütze: *Introduction to Information Retrieval*, 2008. Cambridge University Press.

- ▶ Ch. 14: sec. 14 – 14.4 (pp. 289 – 305).
- ▶ Ch. 16: pp. 349 – 350, 354 – 356, and 360 – 365.
- ▶ Ch. 17: sec. 17 – 17.6 (optional: 17.2.1 and 17.5)

Seibel, P.: *Practical Common Lisp*, 2005. Apress.

- ▶ Chapters: 1 – 7, 11 – 13

Common Lisp

- General concepts more important than the specifics of the syntax.

- You may be asked to write simple function definitions, demonstrating that you master basic techniques and principles.

- Minimally, make sure you're clear about:
    - Strengths and weaknesses of different data structures (hash-tables, arrays, lists. . .)
    - The structure of lists (nested lists, cons cells and "box notation")
    - Lists as trees: Uniform representation of both data and functions. (Programs = expressions)
    - Functions as first class objects.
    - Lexical vs dynamic scope
    - Recursion vs iteration
    - Destructive vs non-destructive operations

The Exam

- ▶ Time: December 4, at 14:30 (3 hours).

- ▶ Place: "Store fysiske lesesal" / "StoreFy" (4th floor of the Physics Building)

- ▶ Note that, just as for the lecture notes, the exam text will be in *English* (of course, you're free to answer in Norwegian Bokmål/Nynorsk).

When writing your answers, remember. . .

- ▶ ~~Less~~ More is more!
  (As long as it's relevant.)

- ▶ Aim for high recall *and* precision.