

## CS220A Reading List

In all cases, skip the portions of the chapters that are not discussed in the class

This is in addition to the contents available on course home

Please attempt the exercises in the respective chapters listed below

- Computer Organization and Design by Patterson and Hennessy (MIPS edition)
  - Chapter 1: Sections 1.6 and 1.7. Practice exercises: 1.5, 1.6, 1.7, 1.11, 1.12, 1.13, 1.14.
  - Chapter 2: Sections 2.1 to 2.10 and Sections 2.12, 2.13, 2.14. Practice exercises: 2.1 to 2.31 and 2.34 to 2.42 and 2.46, 2.47.
  - Chapter 3: Sections 3.1, 3.2, 3.3, 3.4, 3.5, 3.9. Practice exercises: 3.1 to 3.43.
  - Chapter 4: Sections 4.1, 4.2, 4.3. Practice exercises: 4.3, 4.4, 4.8.1, 4.8.2, 4.8.3, 4.8.6.
  - Chapter 5: Sections 5.1, 5.2, 5.3, 5.4. Practice exercises: 5.1, 5.2 (except 5.2.5), 5.3 (except 5.3.5).
  - Appendix A: Sections A.1 to A.6, and A.9 and A.10. Practice exercises: A.2, A.6, A.7, A.8, A.9, A.10.
  - Appendix B: all sections except Sections B.5 and B.6. Practice exercises: B.1, B.2, B.4 to B.21, and B.37, B.38, B.39, B.40.
- Optional material for Verilog HDL
  - Chapters 2 and 3 from “Verilog HDL: A Guide to Digital Design and Synthesis” by Palnitkar.