Week 1: What is an algorithm? What is a computer?

Read sections 0.1-0.4, 3.1

Week 2: Turing machines, computability, and nondeterminism (supernatural computing)

Read sections 3.2-3.3

Week 3: What a Turing machine can and cannot do.

Read sections 4.1-4.2

Week 4: Reductions and categorizing the computability of problems.

Read sections 5.1-5.3

Week 5: Restricted models of computation.

Read sections 1.1-1.4

Week 6: The language hierarchy

Read sections 2.1-2.4

Week 7: Bizarre implications of computability theory

Read sections 6.1-6.4

Week 8: Easy problems, hard problems, and the Million Dollar Problem

Read sections 7.1-7.3

Week 9: Completeness and finding the hardest problems

Read sections 7.4-7.5

- March 18.docx
- Mar 23.docx
- Mar 25.docx
- Mar 27.docx

Week 10: Relations between time and space

Read sections 8.1-8.3

- Mar 30.docx
- Apr 1.docx

Week 11: We can do a lot with a little space

Read sections 8.4-8.6

- Apr 3.docx
- Apr 6.docx
- Apr 8.docx

Week 12: Why this class is really, really hard.

Read sections 9.1-9.3

- Apr 10.docx
- Apr 13.docx
- Apr 15.docx

Week 13: Implications of complexity theory.

Read sections 10.3, 10.4

- Apr 20-1.png
- Apr 20-2.png
- Apr 20-3.png
- Apr 20-4.png
- Apr 20-5.png
- Apr 20-6.png
- Apr 20-7.png
- Apr 20-8.png
- Apr 20-9.png
- Apr 22.docx
- Apr 24.docx

Week 14: Summing up and review

- Apr 27.docx