	Day	Date	Topic	Reading Due	Work Due
1	M	Aug 28	Introduction to the course	Syllabus	
	W	Aug 30	Sets	1 - 1.6	
	F	Sep 1	Sets	1.7 - 1.10	
2	M	Sep 4	Languages	1.11	Quiz (sets)
	W	Sep 6	Finite Automata	2 - 2.3	Homework 1 (sets)
	F	Sep 8	Finite Automata	2.4 - 2.7	
3	M	Sep 11	Logic	3 - 3.4	Quiz (DFA)
	W	Sep 13	Logic	3.5 - 3.8	Homework 2 (DFA)
	F	Sep 15	Asymptotic Notation	Appendix C	Quiz (logic)
4	M	Sep 18	NFAs	4 - 4.4	
	W	Sep 20	Subset construction	4.5 - 4.7	Homework 3 (Logic)
	F	Sep 22	Regular Expressions	5	Quiz (NFA)
5	M	Sep 25	Regular expressions and languages	6 - 6.2	
	W	Sep 27	Regular expressions and languages	6.3 - 6.4	
	F	Sep 29	**Exam 1**		
6	M	Oct 2	Direct Proof	7 - 7.4	
	W	Oct 4	Closure Properties	7.5	Homework 4 (regexes)
	F	Oct 6	Proof by induction	8 - 8.4	Quiz (direct proof)
7	M	Oct 9	Proof by induction	8.5 - 8.6	
	W	Oct 11	Loop invariants	Appendix D	Homework 5 (direct proof)
	F	Oct 13	Loop invariants		Quiz (induction)
8	M	Oct 16	**Fall break**		
	W	Oct 18	Strong Induction	8.7 - 8.9	Quiz (loop invariants)
	F	Oct 20	Strong Induction	8.10	
9	M	Oct 23	Proof by contradiction	10 - 10.3	
	W	Oct 25	Proof by contradiction	10.4 - 10.5	Homework 6 (induction)
	F	Oct 27	Pumping Lemma	11 - 11.4	
10	M	Oct 30	Pumping Lemma	11.5 - 11.7	
	W	Nov 1	Pumping Lemma		Quiz (PL)
	F	Nov 3	**Exam 2**		
11	M	Nov 6	Turing machines	13 - 13.3	
	W	Nov 8	Turing machines	13.4 - 13.7	Homework 7 (contradiction/PL)
	F	Nov 10	Universal TMs / Church Turing thesis	14 - 14.4	
12	M	Nov 13	Recursive and recursively enumerable languages	14.5	
	W	Nov 15	Undecidable problems	15 - 15.3	Homework 8 (TMs)
	F	Nov 17	Undecidable problems	15.4 - 15.5	quiz (computability)
13	M-F	Nov 20-24	**Thanksgiving break**		
14	M	Nov 27	Recurrences	Appendix E.1 - 3	
	W	Nov 29	Recurrences	Appendix E.4 - 5	Homework 9 (Reductions)
	F	Dec 1	**Exam 3**		
15	M	Dec 4	Counting	Appendix A	
	W	Dec 6	Counting / Probability	Appendix B	Homework 10 (Recurrences)
	F	Dec 8	Probability		
16	M	Dec 11	Course wrapup		
	Su	Dec 17	**Final Exam, 2-4pm**		