Tentative Schedule CS 321 – Winter 20

Week	Tuesday	Thursday
1	Intro: Sec 1.1 Math Preliminaries Sec 1.2 Three basic Concepts	Sec 2.1 – DFA Sec 2.2 NDFA
2	Sec 2.3 Equivalence of DFA and NFA Sec 3.1 Regular Expressions **HW 1 – Due 11:59pm**	Sec 3.2 Regular Expressions and Regular Languages Sec 3.3 Regular Grammars
3	Sec 4.1 Closure properties of regular Languages Sec 4.2 Elementary Questions **HW 2 – Due 11:59pm**	Sec 4.3 Identifying Nonregular Languages
4	Catch-up/ Review **HW 3 – Due 11:59pm**	**Exam 1**
5	Sec 5.1 Context-Free Grammars	Sec 5.2 Parsing and Ambiguity Sec 5.3 Context-free Grammars and Programming languages
6	Sec 6.1 Transforming Grammars Sec 6.2 Normal Forms **HW 4 – Due 11:59pm**	Sec 7.1 Nondeterministic Pushdown Automata
7	Sec 7.2 PDA and CFL Sec 7.3 Deterministic Pushdown Automata **HW 5 – Due 11:59pm**	Sec 8.1 Two Pumping Lemmas Sec 8.2 Closure Properties for CFL
8	Catch-up/Review **HW 6 – Due 11:59pm**	**Exam 2**
9	Sec 9.1 Standard Turing Machine Sec 9.2 Combining Turing Machines Sec 9.3 Turing Thesis	Sec 10.1 Variations of TM Sec 10.4 Universal TM
10	Sec 12.1 Problems that cannot be solved by TM **HW 7 - Due 11:59pm**	Catch-up/ Review

The Final Exam is Monday March 16th at 9:30am room TBA.