

Date	Week	Day	Slide Deck	Topic	HW Due
1/13/2026	1	Tuesday	Course Logistics	Course Syllabus and Logistics	
1/15/2026		Thursday	Mod 1: Intro, Proofs, and Cardinality	What is a Computer / Cardinality	
1/20/2026	2	Tuesday		Cardinality / Diagonalization	
1/22/2026		Thursday	Mod 2: Regular Languages	Deterministic Finite Automata (DFA)	
1/26/2026	3	Tuesday		2-DFA	
1/28/2026		Thursday		Non-Determinism and NFAs	Mod 1 - Cardinality and Proofs
2/3/2026	4	Tuesday		NFAs vs DFAs, Regular Operations	
2/5/2026		Thursday	Quiz: Module 1		
2/10/2026	5	Tuesday		Equivalence of Reg. Expressions and NFAs	
2/12/2026		Thursday		Non-Regular Languages and Pumping Lemma	
2/17/2026	6	Tuesday	Mod 3: Context-Free Grammars	Introducing CFGs	
2/19/2026		Thursday		Pushdown Automata	Mod 2, HW 1 - Reg. Languages
2/24/2026	7	Tuesday		More PDA Examples	
2/26/2026		Thursday	Quiz: Module 2		
			NO CLASS: Spring Recess		
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3/10/2026	8	Tuesday		Equivalence of CFG/PDA. Non CFG Langs	Mod 2, HW 2 - Prog. Challenge
3/12/2026		Thursday	Mod 4: Turing Machines + Decidability	Turing Machine definition + examples + decidability	
3/17/2026	9	Tuesday		More Turing Machine Examples	Mod 3 - CFGs
3/19/2026		Thursday		Turing Machine variants	
3/24/2026	10	Tuesday	Quiz: Module 3		
3/26/2026		Thursday		Decidability, Undecidability	
3/31/2026	11	Tuesday		Reductions and more undecidability	
4/2/2026		Thursday	Mod 5: Complexity Theory	Intro, runtimes, problem types	
4/7/2026	12	Tuesday		P, NP, NP-Hard, Reductions	Mod 4, Turing Machines
4/9/2026		Thursday		SAT and the Cook-Levin Theorem	
4/14/2026	13	Tuesday	Quiz: Module 4		
4/16/2026		Thursday		3-Sat	
4/21/2026	14	Tuesday		Clique, Vertex Cover	
4/23/2026		Thursday		Graph-Coloring and other reductions	Mod 5, Complexity Theory
4/28/2026	15	Tuesday	Last Day of Class	Buffer Day...	
4/30/2026	FINALS BEGIN	Thursday			
5/1/2026	9am-12pm	Friday	Final Quiz, Quiz Module 5, retakes	Nau 101	
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5/8/2026	FINALS END	Friday			