

Math 296: Foundations of Mathematics (Fall 2026)
Lecture Schedule

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Below is a list of the topics we intend to cover, along with a rough schedule. Actual schedule is subject to change without notice. Last updated August 23, 2026.

Week	Topic	Chapters
8/24 – 8/28	Overview of Syllabus & Course	
	Mathematical Exploration: Divisibility	1.4-1.5
8/31 – 9/4	Mathematical Exploration: Digging Deeper	1.6-1.7
9/7	<i>Labor Day: No Classes</i>	
9/8 – 9/11	Valid Arguments and Direct Proofs	2.1-2.2
9/14 – 9/18	Proof Methods and Quantifiers	2.3-2.5
9/21 – 9/25	Induction	2.6
*9/28 – 10/2	The Process of Doing Mathematics	2.7-2.9
10/5 – 10/9	Set Theory	3.1-3.5
10/12 – 10/16	More Set Theory	3.6-3.9
10/19 – 10/23	Functions	5.1-5.4
10/26 – 10/30	Exam Review	
	Midterm Exam: Thursday, October 29	
11/2 – 11/6	More Functions	5.5-5.8
*11/9 – 11/13	Relations	6.1
	A Little More Functions	
11/11	<i>Veterans Day: No Classes</i>	
11/16 – 11/20	Posets and Equivalence Relations	6.2-6.3
11/23 – 11/24	Combinatorial Proofs	
11/25 – 11/27	<i>Thanksgiving Break: No Classes</i>	
*11/30 – 12/4	Set Cardinality	7.1-7.3
*12/7 – 12/11	Countability	7.4-7.5