Date	Lecture	Calendar for Spring 2026 MATH 3060 (Barsamian) (book: Susanna Epp, *Discrete Mathematics, 5th Edition*)	Quiz/Exam
Mon Jan 12	L01	1.1 Variables	
Wed Jan 14	L02	1.2 The Language of Sets	
Fri Jan 16	L03	1.3 The language of Relations and Functions	Q01
Mon Jan 19		Holiday: No Class	
Wed Jan 21	L04	2.1 Logical Form and Logical Equivalence	
Fri Jan 23	L05	2.2 Conditional Statements	Q02
Mon Jan 26	L06	2.3 Valid and Invalid Arguments	
Wed Jan 28	L07	3.1 Predicates and Quantified Statements I	
Fri Jan 30	L08	3.2 Predicates and Quantified Statements II	Q03
Mon Feb 2	L09	3.3 Statements with Multiple Quantifiers	
Wed Feb 4	L10	3.4 Arguments with Quantified Statements	
Fri Feb 6		**Exam X1 Covering Chapters 1,2,3**	X1
Mon Feb 9	L11	4.1 Direct Proof and Counterexample I: Introduction	
Wed Feb 11	L12	4.2 Direct Proof and Counterexample II: Writing Advice	
Fri Feb 13	L13	4.3 Direct Proof and Counterexample III: Rational Numbers	Q04
Mon Feb 16	L14	4.4 Direct Proof and Counterexample IV: Divisibility	
Wed Feb 18	L15	4.5 Direct Proof & Counterex. V: Division into Cases; Quotient-Remainder Thm	
Fri Feb 20	L16	4.6 Direct Proof and Counterexample VI: Floor and Ceiling	Q05
Mon Feb 23	L17	4.7 Indirect Argument: Contradiction and Contraposition	
Wed Feb 25	L18	4.8 Indirect Argument: Two Famous Theorems	
Fri Feb 27	L19	5.1 Sequences	Q06
Mon Mar 2	L20	5.2 Mathematical Induction I: Proving Formulas	
Wed Mar 4	L21	5.3 Mathematical Induction II: Applications	
Fri Mar 6		**Exam X2 Covering Chapters 4,5**	X2
Mon Mar 9		Holiday: No Class	
Wed Mar 11		Holiday: No Class	
Fri Mar 13		Holiday: No Class	
Mon Mar 16	L22	6.1 Set Theory: Definitions and the Element Method of Proof	
Wed Mar 18	L23	6.2 Properties of Sets	
Fri Mar 20	L24	6.3 Disproofs and Algebraic Proofs	Q07
Mon Mar 23	L25	7.1 Functions Defined on General Sets	
Wed Mar 25	L26	7.2 One-to-One, Onto, and Inverse Functions	
Fri Mar 27	L27	7.3 Composition of Functions	Q08
Mon Mar 30	L28	7.4 Cardinality with Applications to Computability	
Wed Apr 1	L29	8.1 Relations on Sets	
Fri Apr 3	L30	8.2 Reflexivity, Symmetry, and Transitivity	Q09
Mon Apr 6	L31	8.3 Equivalence Relations	
Wed Apr 8	L32	8.4 Modular Arithmetic with Applications to Cryptography	
Fri Apr 10		**Exam X3 Covering Chapters 6,7,8**	X3
Mon Apr 13	L33	9.1 Introduction to Probability; 9.2 Possibility Trees and the Multiplication Rule	
Wed Apr 15	L34	9.3 Counting Elements of Disjoint Sets: The Addition Rule	
Fri Apr 17	L35	9.4 the Pigeonhole Principle	Q10
Mon Apr 20	L36	9.5 Counting Subsets of a Set: Combinations	
Wed Apr 22	L37	9.6 r-Combinations with Repetition Allowed	
Fri Apr 24	L38	9.7 Pascal's Formula and the Binomial Theorem	Q11
Wed Apr 29		**MATH 3060 Final Exam 8:00am - 10:00am in Morton 326**	FX