

JANUARY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25 Communicating Mathematics	26	27 Sets and Subsets	28
29	30 Set Operations Quiz: Syllabus	31				

FEBRUARY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			Indexed Collections of Sets 1	2	Partitions and Cartesian Products 3 <i>Quiz: Sets and Set Operations</i>	4
5	Relations and Properties of Relations 6 <i>Quiz: Collections, Partitions, and Products of Sets</i>	7	Equivalence Relations 8 <i>Homework 1 Due</i>	9	The Integers Modulo n 10 <i>Quiz: Relations</i>	11
12	Functions 13 <i>Quiz: the Integers Modulo n</i>	14	Bijjective Functions 15	16	Composition and Inversion of Functions 17 <i>Quiz: Functions</i>	18
19	Exam 1 Review 20 <i>Quiz: Bijjective Functions</i>	21	Exam 1 22	23	Statements 24	25
26	Negation, Disjunction, and Conjunction 27 <i>Quiz: Statements</i>	28				

MARCH 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			Implications 1 Homework 2 Due	2	Biconditionals, Tautologies, and Contradictions 3 Quiz: Negation, Disjunction, and Conjunction	4
5	Logical Equivalence 6 Quiz: Implications	7	Quantified Statements 8	9	Direct Proofs 10 Quiz: Logical Equivalence	11
12	Spring Break 13	Spring Break 14	Spring Break 15	Spring Break 16	Spring Break 17	18
19	Proof by Contrapositive 20	21	Proof by Cases 22 Homework 3 Due Quiz: Quantified Statements	23	Counterexamples 24 Quiz: Direct Proofs	25
26	Proof by Contradiction 27 Quiz: Proof by Contrapositive	28	Review of Three Proof Techniques 29	30	Existence Proofs 31 Quiz: Proof by Cases	1

APRIL 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
2	Exam 2 Review 3 Quiz: Proof by Contradiction	4	Exam 2 5 Homework 4 Due	6	Religious Observance 7	8
9	Proofs Involving Divisibility of Integers 10	11	The Principle of Mathematical Induction 12	13	The Strong Principle of Mathematical Induction Quiz: Divisibility Properties 14	15
16	The Division Algorithm 17 Quiz: the Principle of Mathematical Induction	18	Scholars Symposium 19	20	Proofs Involving Sets 21 Quiz: the Division Algorithm Homework 5 Due	22
23	Fundamental Properties of Set Operations 24 Quiz: Proofs Involving Sets	25	The Addition, Multiplication, and Pigeonhole Principles 26	27	Permutations and Combinations 28	29
30						

MAY 2023

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	Exam 3 Review 1 Quiz: The Addition, Multiplication, and Pigeonhole Principles	2	Exam 3 Review 3 Quiz: Permutations and Combinations	4	Exam 3 5 Homework 6 Due	6
7	Final Exam Review 8	9	Final Exam Review 10	11	Final Exam Review 12	13
14	Final Exam Week 15 Final Exam 8:00 to 11:00 AM Homework 7 Due	Final Exam Week 16	Final Exam Week 17	Final Exam Week 18	Final Exam Week 19	20
21	22	23	24	25	26	27
28	29	30	31			