

Detailed Course Calendar

All dates are tentative except the final exam date. **The instructor may adjust the schedule as the semester progresses.**

Week	Class Date	Events	Lecture Topics and Reading Assignments (6 th /7 th Ed of the text book)
1	Mon, Aug 18		Class Overview
	Wed, Aug 20		1.1 Propositional Logic
2	Mon, Aug 25	<i>No class - Tanmay out of town</i>	1.2/1.3 Propositional Equivalences
	Wed, Aug 27	<i>Taught by Dr. Song Zhang – Tanmay out of town</i>	
3	Mon, Sep 1	<i>No class – Labor day</i>	1.3/1.4 Predicates and Quantifiers 1.4/1.5 Nested Quantifiers 1.5/1.6 Rules of Inference 1.6/1.7 Introduction to Proofs 1.7/1.8 Proof Methods and Strategies
	Wed, Sep 3	Quiz 1 Posted – Homework 1	
4	Mon, Sep 8	Quiz 2	1.7/1.8 Proof Methods and Strategies
	Wed, Sep 10	Due – Homework 1 Due on Thursday, Sep 11, 2014 (By 5:00 PM)	
5	Mon, Sep 15	Quiz 3	2.1 Sets 2.2 Set Operations 2.3 Functions 2.4 Sequences and Summations
	Wed, Sep 17	Posted – Homework 2	
6	Mon, Sep 22	Quiz 4	3.1 Algorithms 3.2 Growth of Functions 3.3 Complexity of Algorithms 3.4/(4.1+4.2) Integers and Division 3.5/4.3 Primes and Greatest Common Divisors
	Wed, Sep 24	Due – Homework 2	
7	Mon, Sep 29	Quiz 5 Due - Honors Project Proposal	4.1/5.1 Mathematical Induction 4.2/5.2 Strong Induction 4.3/5.3 Recursive Definitions and Structural Induction
	Wed, Oct 1	Midterm I	
8	Mon, Oct 6	Quiz 6	5.1/6.1 The Basics of Counting 5.2/6.2 The Pigeonhole Principle
	Wed, Oct 8	Posted – Homework 3	
9	Mon, Oct 13	Quiz 7	
	Wed, Oct 15	Due – Homework 3	
10	Mon, Oct 20	Quiz 8	
	Wed, Oct 22	Posted – Homework 4	
11	Mon, Oct 27	Quiz 9	
	Wed, Oct 29	Due – Homework 4	
12	Mon, Nov 3	Quiz 10	

	Wed, Nov 5	Midterm II	5.3/6.3 Permutations and Combinations 5.4/6.4 Binomial Coefficients and Identities
13	Mon, Nov 10	Quiz 11	7.1/8.1 Recurrence Relations, Tower of Hanoi 7.2/8.2 Solving Linear Recurrence Relations 8.1/9.1 Relations and Their Properties 8.3/9.3 Representing Relations 8.4/9.4 Closures of Relations 8.5/9.5 Equivalence Relations 8.6/9.6 Partial Orderings
	Wed, Nov 12	Due – Honors Project Progress Posted – Homework 5	
14	Mon, Nov 17	Quiz 12	9.1/10.1 Introduction to Graphs 9.2/10.2 Graph Terminology 9.3/10.3 Representing Graphs and Graph Isomorphism 9.4/10.4 Connectivity 9.5/10.5 Euler and Hamilton Paths 9.7/10.6 Planar Graphs 9.8/10.7 Graph Coloring
	Wed, Nov 19	Due – Homework 5	
15	Mon, Nov 24	Posted – Homework 6	
	Wed, Nov 26	<i>No class – Thanksgiving holiday</i>	
16	Mon, Dec 1	Quiz 13 Due – Homework 6 Last class. Regular class will not meet after this point.	10.1/11.1 Introduction to Trees
	Wed, Dec 3	Due - Complete Honors Project with report	
	Tues, Dec 9 3:00 pm - 6:00 pm	Final Exam in Butler 103	

Some Other Important Dates

Fri, Aug 22: Last day to drop without a grade.

MSU Academic Calendar

<http://www.registrar.msstate.edu/Calendars/calfall14.pdf>

Fall 2014 Examination Schedule

<http://www.registrar.msstate.edu/Files/Student%20Files/Exam%20Schedule/Fall%202014%20Exam%20Schedule.pdf>