CS 151: Mathematical Foundations of Computing
Course Schedule
Spring 2018

Week	Day	Date	Topic	Chapter	Homework	Quiz	Lab
	M	Jan 15	***Martin Luther King Jr. Day***				
1	W	Jan 17	Logic: Introduction to Logic	1.1			
	F	Jan 19	Logic: Propositional Logic	1.2, 1.3			L0 (Logic)
	M	Jan 22	Logic: Propositional Logic	1.4, 1.5			L0 (Logic)
2	W	Jan 24	Logic: Predicate Logic	1.6, 1.7		Q0 (Logic)	
	F	Jan 26	Logic: Predicate Logic	1.8, 1.9, 1.10			L1 (Logic)
	M	Jan 29	Logic: Logical Reasoning	1.11, 1.12			L1 (Logic)
3	W	Jan 31	Logic: Logical Reasoning	1.13		Q1 (Logic)	
	F	Feb 02	Logic: Logical Reasoning		HW1 (Logic)		L2 (Logic)
	M	Feb 05	Proofs: Direct Proofs	2.1, 2.2			L2 (Logic)
4	W	Feb 07	Proofs: Proof by Contrapositive	2.3		Q2 (Logic)	
	F	Feb 09	Proofs: Proof by Contradiction	2.4	HW2 (Logic)		L3 (Proofs)
	M	Feb 12	Proofs: More Proofs	2.5			L3 (Proofs)
5	W	Feb 14	Sets: Introduction to Sets	3.1, 3.2			
	F	Feb 16	Sets: Set Operations	3.3, 3.4	HW3 (Proofs)		L4 (Proofs)
	M	Feb 19	Sets: More Sets	3.5, 3.6, 3.7			L4 (Proofs)
6	W	Feb 21	Exam 1 Review			Q3 (Exam 1)	
	F	Feb 23	***Exam 1 (Logic, Proofs)***				***No Lab***
	M	Feb 26	Relations: Introduction to Relations	4.1, 4.2, 4.4			L5 (Sets)
7	W	Feb 28	Relations: Directed Graphs	4.3, 4.5, 4.6		Q4 (Sets)	
	F	Mar 02	Relations: More Relations	4.7, 4.8, 4.9			L5 (Sets)
	M	Mar 05	Functions: Introduction to Functions	5.1, 5.2			L6 (Relations)
8	W	Mar 07	Functions: Properties of Functions	5.3, 5.4		Q5 (Relations)	
	F	Mar 09	Functions: More Functions	5.5, 5.6	HW4 (Sets, Relations)		L6 (Relations)
	M	Mar 12	Induction: Sequences	8.1, 8.2, 8.3			L7 (Functions)
9	W	Mar 14	Induction: Induction	8.4		Q6 (Functions)	
	F	Mar 16	Induction: Induction	8.5	HW5 (Relations, Functions)		L7 (Functions)
	M	Mar 19	Exam 2 Review			Q7 (Exam 2)	L8 (Induction)
10	W	Mar 21	***Exam 2 (Sets, Relations, Functions, Sequences)***				
	F	Mar 23	Induction: Strong Induction	8.6			L8 (Induction)

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-	M	Mar 26	***Spring Break***				
	W	Mar 28					
	F	Mar 30					
11	M	Apr 02	Induction: More Induction				L9 (Induction)
	W	Apr 04	Induction: Structural Induction	8.8, 8.9			
	F	Apr 06	Induction: Recursion	8.10, 8.11	HW6 (Induction)		L9 (Induction)
12	M	Apr 09	Counting: Introduction to Counting	10.1, 10.3			L10 (Induction)
	W	Apr 11	Counting: Permutations and Combinations	10.4, 10.5, 10.6		Q8 (Counting)	
	F	Apr 13	Counting: Permutations and Combinations	10.8, 10.9	HW7 (Induction)		L10 (Induction)
13	M	Apr 16	Counting: More Counting	10.7, 10.11, 10.12			L11 (Counting)
	W	Apr 18	Counting: Advanced Counting	11.2, 11.3		Q9 (Counting)	
	F	Apr 20	Probability: Introduction to Probability	12.1, 12.2	HW8 (Counting)		L11 (Counting)
14	M	Apr 23	Exam 3 Review			Q10 (Exam 3)	L12 (Counting)
	W	Apr 25	***Exam 3 (Induction, Counting)***				
	F	Apr 27	Probability: Conditional Probability	12.3, 12.4			L12 (Counting)
15	M	Apr 30	Probability: Random Variables	12.5, 12.6, 12.7			L13 (Probability)
	W	May 02	Probability: More Probability	12.8		Q11 (Probability)	
	F	May 04	Final Exam Review		HW9 (Probability)		L13 (Probability)
16	TBD	TBD	***Final Exam***				

NOTE: The course schedule is subject to change.

Last Modified: February 12, 2018