1ath 311 - 01	Course Schedule		
TEXT:		ag, by Tamara J. Lakins	
	AMS Pure and	Applied Undergradua	ate Texts #26
SCHEDULE:	Unless announce	ed otherwise, all topics l	isted herein are possible topics on the final exam. The daily schedule
	may vary slightly from the schedule gives below. School closures (weather related or otherwise) could also lead		
	to changes in this schedule – in such instances a revised schedule will be posted to the course website		
DAILY WORK:	Please read through the sections in the book to be covered before coming to class each day. The exercises listed		
	represent a minimal assignment and should be sufficient to practice and gain understanding of the related		
	material. Some students may need to work additional exercises to attain mastery of the material.		
FINAL EXAM:	The final exam for this course will be held from 9:00-11:00am on Friday, December 14 th		
	You are expected to arrange your schedule to allow you to take all in-class exams (including the final exam) at		
	their scheduled t		
WEEK	DATES	SECTIONS	TOPICS
1	Tues, Aug 28	Course Intro, 1.1	Language, Logic, and Proof
-	Thurs, Aug 30	1.1	Language, Logic, and Proof
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		Drop/Add Dead	lline – Friday, August 31 st
2	Tues, Sept 4	1.2	Proof
	Thurs, Sept 6	1.2	Proof
3	Tues, Sept 11	2.1	Direct Proofs
		Monday, Septemb	per 10 th : Pass/No Credit Deadline
	Thurs, Sept 13	2.1, 2.2	Direct and Indirect Proofs – Contrapositive
4	Tues, Sept 18	2.2	Indirect Proof – Contradiction
	Thurs, Sept 20	2.3	Two Important Theorems
5	Tues, Sept 25	2.4, Review	Statements Involving Mixed Quantifiers
	Thurs, Sept 27	Exam 1	6 to Can to the
6	Tues, Oct 2	3.1	Mathematical Induction
	Thurs, Oct 4	3.1, 3.2	Mathematical Induction, Strong Induction
7	Tues, Oct 9	4.1, 4.2	The Language of Sets; Set Operations
	Thurs, Oct 11	4.2	Set Operations
8 9 10	Tues, Oct 16	4.3	Arbitrary Unions and Intersections
	Thurs, Oct 18	5.1	Relations and Functions
	Tues, Oct 23	5.2, 5.3	Function Composition, 1-1 and Onto Functions
	Thurs, Oct 25	5.3, 5.4	1-1 and Onto Functions; Invertible Functions
		5.4, 5.5	
	Tues, Oct 30		Functions and Sets
	Thurs, Nov 1	Exam 2	C
11	Tues, Nov 6	6.4	Congruence
12	Thurs, Nov. 8	6.5	Congruence Classes
	Tues, Nov 13	7.1	More on Relations
10	Thurs, Nov 15	7.2, 7.3	Equivalence Relations and Set Partitions
13	Tues, Nov 20	Addendum	Partially Ordered Sets
	Thurs, Nov 22	No classes	Thanksgiving Holiday
		Monday, Novem	nber 26 th : Withdrawal Deadline
14	Tues, Nov 27	Addendum	Partially Ordered Sets
	Thurs Nov 29	Addendum	Additional Topics
15	Tues, Dec 4	Addendum	Additional Topics
	Thurs, Dec 6	Addendum	Additional Topics
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16	Tues, Dec 11	Review	

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