Professor Fine LARTS-396E 910-6905	MTH182 Syllabus	Spring 2024
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Discrete Mathematics	s with Applications (5th ed.) S. Ep	р
Week of 1/22: Introduction		
Review of recur	rence relations & weak induction	[5.1 - 5.3, 5.6, 5.7]
Week of 1/29:		
Add/Drop/Auda	it deadline is Monday	
Strong induction	n	[5.4, 5.9]
Integers: Divisi	bility	[4.4]
Week of $2/5$:		
Primes		[4.4, 4.8]
Exam I		
Week of 2/12:		
The quotient/re	emainder theorem (division algorith	hm) $[4.5]$
Week of 2/19:		
Presidents' D	ay No class Tuesday	
Greatest commo	on divisor & least common multipl	e
The Euclidean a	algorithm	[4.10]
Week of 2/26:		
Pass/Fail deadl	line is Tuesday	
The Fundament	tal Theorem of Arithmetic	[4.4, 5.4, 8.4]
Cryptography		[8.4]
Week of $3/4$:		
Integers in arbit	trary bases	[2.5]
Exam II		
Week of 3/11:		
Spring Break		
Week of 3/18:		
Relations		[8.1]
Equivalence rela	ations & equivalence classes	[8.2, 8.3]
Congruence & a	arithmetic modulo n	· · J
Week of 3/25:		
Functions		[7.1 - 7.3]

Week of $4/1$:	
Bijective functions	
Week of $4/8$:	
Cardinality of sets	[7.4]
Exam III	
Withdrawal deadline is Friday	
Week of $4/15$:	
Patriots' Day Class does meet on Tuesday	
Algorithms	
Growth of functions	[11.2]
Week of 4/22:	
Analysis of algorithms	[11.3, 11.5]
Week of 4/29:	
Exam IV	
Last class is Tuesday	