

MA 137 001-004 Spring 2015 Calendar of Events

	Lecture <i>Recitation</i>	Class activity	Due Dates	Chapter & Section
Week 1	Wed, 14-Jan	Preliminaries	Lecture 01	1.1
	<i>Thurs, 15-Jan</i>	<i>Worksheet #1:</i>		
	Fri, 16-Jan	Elementary functions, exponential & logs	Lecture 02	1.2
Week 2	Mon, 19-Jan	Martin Luther King Day		
	<i>Tues, 20-Jan</i>	<i>Worksheet #2:</i>		
	Wed, 21-Jan	Trigonometric functions	Lecture 03h	1.2
	<i>Thurs, 22-Jan</i>	<i>Worksheet #3:</i>		
Week 3	Fri, 23-Jan	Inverse functions & logarithms	Lecture 04	1.2
	Mon, 26-Jan	Semi-log/log-linear plots	Lecture 05	1.3
	<i>Tues, 27-Jan</i>	<i>Worksheet #4:</i>		
	Wed, 28-Jan	Log-log plots	Lecture 06	1.3
Week 4	<i>Thurs, 29-Jan</i>	<i>Worksheet #5:</i>		
	Fri, 30-Jan	Discrete population growth/recursion	Lecture 07	1.3
	Mon, 02-Feb	Sequences, limits, recursion	Lecture 08	2.1
	<i>Tues, 03-Feb</i>	<i>Worksheet #6:</i>		
Week 5	Wed, 04-Feb	More discrete population models	Lecture 09	2.2
	<i>Thurs, 05-Feb</i>	<i>Worksheet #7:</i>		
	Fri, 06-Feb	S-I-R models and infectious diseases	Lecture 10	2.3
	Mon, 09-Feb	Review	Lecture 11	
Week 6	<i>Tues, 10-Feb</i>	<i>Review</i>		
	***** Tues, 10-Feb Exam 1 (5:00 – 7:00 PM) CP 155 *****			
	Wed, 11-Feb	Limits and limit laws	Lecture 12	3.1
	<i>Thurs, 12-Feb</i>	<i>Worksheet #8:</i>		
Week 7	Fri, 13-Feb	Continuity	Lecture 13	3.2
	Mon, 16-Feb	Sandwich theorem/trig limits	Lecture 14	3.3
	<i>Tues, 17-Feb</i>	<i>Worksheet #9:</i>		
	Wed, 18-Feb	Rates of change	Lecture 15	3.4
Week 8	<i>Thurs, 19-Feb</i>	<i>Worksheet #10:</i>		
	Fri, 20-Feb	Derivative, continuity, DE's	Lecture 16	4.1
	Mon, 23-Feb	Rules of differentiation	Lecture 17	4.1.2
	<i>Tues, 24-Feb</i>	<i>Worksheet #11:</i>		
Week 9	Wed, 25-Feb	Product and quotient rules	Lecture 18	4.2
	<i>Thurs, 26-Feb</i>	<i>Worksheet #12:</i>		
	Fri, 27-Feb	Chain Rule	Lecture 19	4.3
	Mon, 02-Mar	Derivatives of trig & exp functions	Lecture 20	4.4
Week 10	<i>Tues, 03-Mar</i>	<i>Worksheet #13:</i>		
	Wed, 04-Mar	Implicit differentiation and related rates	Lecture 21	4.4
	<i>Thurs, 05-Mar</i>	<i>Worksheet #14:</i>		
	Fri, 06-Mar	Inverse functions and derivatives	Lecture 22	4.4.2
Week 11	Mon, 09-Mar	Review	Lecture 23	
	<i>Tues, 10-Mar</i>	<i>Review</i>		
	***** Tues, 10-Mar Exam 2 (5:00 – 7:00 PM) CP 155 *****			
	Wed, 11-Mar	Derivatives of logarithmic functions	Lecture 24	4.5
Break	<i>Thurs, 12-Mar</i>	<i>Worksheet #15:</i>		
	Fri, 13-Mar	Linearization	Lecture 25	4.6
	Mon, 16-Mar	SPRING BREAK		
	<i>Tues, 17-Mar</i>			
Wed, 18-Mar				
<i>Thurs, 19-Mar</i>				
Fri, 20-Mar				
Week 12	Mon, 23-Mar	Newton's Method and Taylor polynomials	Lecture 26	5.7
	<i>Tues, 24-Mar</i>	<i>Worksheet #16:</i>		
	Wed, 25-Mar	Monotonicity and concavity	Lecture 27	5.2
	<i>Thurs, 26-Mar</i>	<i>Worksheet #17:</i>		
Week 13	Fri, 27-Mar	Extrema, inflection points, graphing	Lecture 28	5.3

Week 11	Mon, 30-Mar	Optimization I	Lecture 29	5.4
	<i>Tues, 31-Mar</i>	<i>Worksheet #18:</i>		
	Wed, 01-Apr	Optimization II	Lecture 30	5.4
Week 12	<i>Thurs, 02-Apr</i>	<i>Worksheet #19:</i>		
	Fri, 03-Apr	Optimization III	Lecture 31	5.4
	Mon, 06-Apr	l'Hospital's Rule	Lecture 32	5.5
Week 13	<i>Tues, 07-Apr</i>	<i>Worksheet #20:</i>		
	Wed, 08-Apr	Stability	Lecture 33	5.6
	<i>Thurs, 09-Apr</i>	<i>Worksheet #21:</i>		
Week 14	Fri, 10-Apr	Antiderivatives	Lecture 34	5.7
	Mon, 13-Apr	Review	Lecture 35	
	<i>Tues, 14-Apr</i>	<i>Review</i>		
***** Tues, 14-Apr, Exam 3 (5:00 – 7:00 PM) CP 155 *****				
Week 15	Wed, 15-Apr	Quadrature and Accumulation	Lecture 36	
	<i>Thurs, 16-Apr</i>	<i>Worksheet #22:</i>		
	Fri, 17-Apr	Riemann sums/Definite Integral	Lecture 37	6.1
Week 16	Mon, 20-Apr	Fundamental Theorem of Calculus	Lecture 38	6.1
	<i>Tues, 21-Apr</i>	<i>Worksheet #23:</i>		
	Wed, 22-Apr	Area between curves/Average value	Lecture 39	6.2
Week 17	<i>Thurs, 23-Apr</i>	<i>Worksheet #24:</i>		
	Fri, 24-Apr	Integration by substitution	Lecture 40	6.3
	Mon, 27-Apr	Applications of Integration	Lecture 41	
Week 18	<i>Tues, 28-Apr</i>	<i>Worksheet #25</i>		
	Wed, 29-Apr	Human heart model	Lecture 42	
	<i>Thurs, 30-Apr</i>	<i>Worksheet #26:</i>		
Week 19	Fri, 01-May	Review	Lecture 43	
	***** Wednesday, May, 6 - Exam 4 (6:00 – 8:00 PM) CB 118 *****			