

Weekly Schedule for MA 241 Section 007, Spring 2007

Week	Sections	Text Description
January 10 – 12	5.5	The Substitution Rule (Review)
	5.6	Integration by Parts (Review)
	5.7	Trig-Substitution (Review)
	Appendix G	Partial Fractions
	Maple	Start 01/10: Maple #0 (Review) and #1 (Illustration of Definite Integrals)
	WebAssign	Due 01/12: 3 Introductory WebAssigns
January 15	No Class	M.L. King Holiday
January 16 – 19	WebAssign	*Optional* Due 01/16: 5.1 – 5.4
	WebAssign	Due 01/17: 5.5 and 5.6
	5.7	Partial Fractions including Appendix G
	5.9	Approximate Integration
	Maple	Due 01/19: Maple #0 and #1 Start 01/19: Maple #2 (Numerical Integration)
January 22 – 26	WebAssign	Due 01/22: 5.7 and Appendix G
	5.10	Improper Integrals
	6.1	Areas
	6.2	Volumes
	Maple	Due: Maple #2 on Jan. 26 th
January 29 – February 2	WebAssign	Due 01/29: 5.9, 5.10, and 6.1
	6.2	Volumes
	6.3	Arc Length
	WebAssign	Due 02/01: 6.2 and 6.3
	Review	Review for Test #1
	Test	Test 1 (Friday, February 2nd)
February 5 – 9	6.4	Average Value of a Function
	6.5	Application to Physics and Engineering
	6.6 or 6.7	Other Applications
February 12 – 16	WebAssign	Due 02/12: 6.4 and 6.5
	6.6 or 6.7	Other Applications
	7.1	Modeling with Differential Equations
	7.2	Directional Fields, Euler's Method
	Maple	Start 02/16: Maple #3 (Euler's Method and Scalar Equations)
February 19 – 23	WebAssign	Due 02/19: 7.1
	7.2	Directional Fields, Euler's Method
	7.3	Separable Equations
	7.4	Exponential Growth and Decay
	Maple	Start 02/20: Maple #4 (Differential Equations)

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February 26 – March 2	Maple	Due 02/26: Maple #3
	WebAssign	Due 02/26: 7.2 and 7.3
	7.4	Exponential Growth and Decay
	WebAssign	Due 02/27: 7.4
	Review	Review for Test #2
	Test	Test 2 (Wednesday, February 28th)
March 5 – 9	7.5	The Logistic Equation
March 5 – 9	No Class	Spring Break
March 12 – 16	WebAssign	Due 03/12: 7.5
	7.7	Second Order Linear Equations
	7.8	Nonhomogeneous Linear Equations
March 19 – 23	WebAssign	Due 03/19: 7.7
	7.9	Application of Differential Equations
	8.1	Sequences
	Maple	Due 03/23: Maple #4
March 26 – 30	WebAssign	Due 03/26: 7.8 and 7.9
	8.2	Series
	WebAssign	Due 03/29: 8.1 and 8.2
	Review	Review for Test #3
	Test	Test 3 (Friday, March 30th)
April 2 – 5	8.3	Integral and Comparison Tests
	8.4	Other Convergence Tests
April 6	No Class	Spring Holiday
April 9 – 13	Maple	Start 04/09: Maple #5 (Taylor Approximation to Functions)
	WebAssign	Due 04/09: 8.3 and 8.4
	8.5	Power Series
	8.6	Representation of Functions as Power Series
April 16 – 20	WebAssign	Due 04/16: 8.5
	8.7	Taylor and Maclaurin Series
	WebAssign	Due 04/19: 8.6 and 8.7
	Review	Review for Test #4
April 23 – 27	Test	Test 4 (Friday, April 20th)
	8.8	The Binomial Series
	8.9	Application of Taylor Polynomials
	Review	Review for the Final Exam
	WebAssign	Due 04/26: 8.8 and 8.9
May 7 th 8:00-11:00 am	Maple	Due 04/27: Maple #5
		Final Exam