MA 114 Calendar *Spring 2012*

Date	Section	Topic
		Sequences and Series
W 1/11	§11.1	Sequences
F 1/13	§11.1	Sequences (continued)
W 1/18	§11.2	Series
W 1/18		Last day to Add/Drop
F 1/20	§11.2	Series (continued)
M 1/23	§11.4	Comparison tests
W 1/25	§11.5	Alternating series
F 1/27	§11.6	Absolute convergence; Ratio and root tests
M 1/30	§11.8	Power series
W 2/1	§11.9	Representations of functions as power series
W 2/1		Last day to drop without a grade
F 2/3	§11.7	Strategy for testing series
M 2/6		Review
T 2/7		**Exam I (7:30-9:00 p.m., Room posted)**
		Taylor Series and Integration
W 2/8	§11.10	Taylor and Maclaurin series
F 2/10	§11.10	Taylor and Maclaurin series (continued)
M 2/13	§5.5	The substitution rule
W 2/15	§6.1	Area between curves
F 2/17	§6.2	Volumes
M 2/20	§6.3	Volumes by cylindrical shells
W 2/22	§6.4-§6.5	Work (for springs and cables) Average value
F 2/24	§7.1	Integration by parts
M 2/27	§7.2	Trigonometric integrals
W 2/29	§7.3	Trigonometric substitution
F 3/2	§7.3	Trigonometric substitution (continued)
M 3/5		Review
T 3/6		**Exam II (7:30-9:00 p.m., Room posted)**
		Integration and Parametric Equations
W 3/7	§8.1	Arc length
F 3/9	§7.4	Partial fractions
3/12-3/16		Spring Break
M 3/19	§7.5	Strategy for integration
W 3/21	§7.7	Numerical integration
F 3/23	§7.7	Numerical integration (continued)
M 3/26	§7.8	Improper integrals
W 3/28	§11.3	Integral test
F 3/30	§10.1	Parametric equations
M 4/2	§10.2	Calculus with parametric curves
W 4/4	§10.2	Calculus with parametric curves (continued)

F 4/6		Review; Last day to withdraw
T 4/10		**Exam III (7:30-9:00 p.m., Room posted)**
		Polar coordinates, Differential equations
M 4/9	§10.3	Polar coordinates and graphs
W 4/11	§10.4	Areas in polar coordinates
F 4/13	§10.4	Areas in polar coordinates (continued)
M 4/16	§9.1	Modeling with differential equations
W 4/18	§9.2	Direction fields and Euler's method
F 4/20	§9.3	Separable equations
M 4/23	§9.4	Population growth
W 4/25		Review
F 4/27		Review
M 4/30		**Final exam (6:00-8:00 pm., Room posted)**