

## MTH 142-3000 Summer 2007

Tue. May 22		7.1 Substitution 7.2 Integration by Parts	1-37 odd, 45-65 odd 1-27 odd, 31, 33, 35
Thu. May 24		7.3 tables 7.4 alg & trig substitution	1-17 odd, 29,33,37 1-14, 19-22, 37-47 odd, 57
Tue. May 29		7.5 trapezoidal rule 7.6 Simpson's rule	1-12, 19 1, 2, 4, 5
Thu. May 31		7.7 improper integrals 7.8 comparison tests	1, 5-27 odd, 33 1-21 odd, 29
Tue. Jun 5	EXAM 1	EXAM 1 8.1 areas and volumes	1-13 odd
Thu. Jun 7		8.2 more volumes, arc length 8.3 polar co-ordinates	1-7, 11, 12, 23-31 odd 9, 21-29 odd, 36, 37
Tue. Jun 12		8.4 mass density 8.5 physics applications	1, 3, 9, 19, 23 1, 3, 7, 9, 15, 22, 23, 27
Thu. Jun 14		8.7 distribution 8.8 probability	4-9, 13, 15, 16, 17 5-10
Tue. Jun 19		9.1 sequences 9.2 geometric series	1-19 odd, 21-31 odd 1-21 odd, 25, 26
Thu. Jun 21		9.3 series convergence 9.4 tests for convergence	1-19 1-37 odd
Tue. Jun 26		9.5 power series 10.1 Taylor ploynomials	1-27 odd 1-15 odd, 23, 29
Thu. 28		10.2 Taylor series 10.3 new series from old	1-19 odd 1-13 odd, 25, 27
Tue. Jul 3	EXAM 2	EXAM 2 10.4 error term	1 ,2 ,4 ,5 ,8 ,14 ,15
Thu. Jul 5		11.1 differential equations 11.2 slope fields	1-15 odd 3, 5, 9
Tue. Jul 10		11.3 Euler's method 11.4 variables separable	1, 3, 5, 7 1, 6, 15, 21, 23-25, 28, 33, 39
Thu. Jul 12		11.5 growth & decay 11.7 logistic model	3, 5, 7, 10, 11, 13, 15 1, 3, 5, 6, 9
Tue. Jul 17		10.5 Fourier series REVIEW	1-11
Thu. Jul 19	FINAL EXAM	FINAL EXAM	