

DATE	DUE	QUIZ	TOPIC
M 1.9 T 1.10 R 1.12			1.1: Course introduction; review of limits 1.2-1.3: Review of derivatives and integrals <i>Mathematica</i> lab 1: introduction and calculus
M 1.16 T 1.17 R 1.19	(1.4) 1-20 (1.4) 21-39	Q1	<i>No class - Martin Luther King Jr. Day</i> 2.1-2.2: Rewriting the integrand 2.3-2.4: Elementary $u$ -substitutions
M 1.23 T 1.24 R 1.26	Lab 1 (2.11) 1-20 (2.11) 21-43	Q2	<i>Mathematica</i> lab 2: integration 2.5-2.6: Complicated $u$ -substitutions; integration by parts 2.6-2.7: Undetermined coefficients
M 1.30 T 1.31 R 2.2	Lab 2 (2.11) 20-34 (2.11) 44-65	Q3	2.8: Partial fractions 2.9-3.1: Improper integrals I 3.2-3.3: Improper integrals II
M 2.6 T 2.7 R 2.9	(2.11) 66-82 (2.11) 83-103 (3.5) 1-21	Q4	<i>Mathematica</i> lab 3: partial fractions 3.4: Gamma integrals Review for Exam 1 ( <i>professor absent</i> )
M 2.13 T 2.14 R 2.16	Lab 3 (3.5) 22-37	<b>EXAM 1: covers Chapters 2-3</b>	<i>Mathematica</i> lab 4: improper integrals 4.1: Area between curves
M 2.20 T 2.21 R 2.23	Lab 4 (4.9) 1-8 (4.9) 9-16	Q5	<i>Mathematica</i> lab 5: area 4.2: Volume 4.2-4.4: Volume and arc length
M 2.27 T 2.28 R 3.2	Lab 5 (4.9) 17-30 (4.9) 31-43	Q6	<i>Mathematica</i> lab 6: volume Review of area and volume 4.5-4.6: Centers of mass
M 3.6 T 3.7 R 3.9			<i>No class - Spring break</i> <i>No class - Spring break</i> <i>No class - Spring break</i>
M 3.13 T 3.14 R 3.16	Lab 6 (4.9) 44-55 (4.9) 56-64	Q7	4.6-4.7: Moments of inertia <i>Mathematica</i> lab 7: centers of mass and moments of inertia 4.8: Probability
M 3.20 T 3.21 R 3.23	Lab 7 (4.9) 65-76	<b>EXAM 2: covers Chapter 4</b>	Review for Exam 2 5.1-5.2: Introduction to infinite series
M 3.27 T 3.28 R 3.30	(5.7) 1-22 (5.7) 23-46	Q8	5.3-5.4: Convergence and divergence 5.4-5.5: Harmonic and $p$ -series 6.1-6.2: Geometric series
M 4.3 T 4.4 R 4.6	(5.7) 47-60 (6.5) 1-22	Q9	<i>Mathematica</i> lab 8: series 6.3-6.4: Applications of geometric series; the Ratio Test <i>No class - Mid-semester recess</i>
M 4.10 T 4.11 R 4.13	Lab 8 (6.5) 23-38 (6.5) 39-52	Q10	7.1-7.2: Alternating series 7.3-7.4: Absolute and conditional convergence 8.1: Introduction to Taylor series
M 4.17 T 4.18 R 4.20	(7.5) 1-22 (7.5) 23-43 (8.5) 1-43	Q11	8.2: Applications of Taylor series 8.3: Power series 8.4: Fourier series
M 4.24 T 4.25 R 4.27	(8.5) 44-79 (8.5) 80-90 (8.5) 91-100	Q12	<i>Mathematica</i> lab 9: Taylor and Fourier series Review for Exam 3 <b>EXAM 3: covers Chapters 5-8</b>
M 5.1	Lab 9		<b>FINAL EXAM: cumulative; 2:00-3:40 PM in SCI 137</b>