

REVISED 03/10/02

Math 232 Syllabus

Spring 2002

Each quiz covers all of the material from the week before. Each test covers all material covered since the previous test. Problem days are not “optional” and may be used to cover missed material. This syllabus is subject to change.

Day	Date	Section
1-M	1/7	Handouts
1-T	1/8	(class cancelled)
1-W	1/9	(class cancelled)
1-F	1/11	7.3 Implicit Differentiation
2-M	1/14	Martin Luther King Day
2-T	1/15	Quiz 1 (7.3 and review) 7.4 Related Rates
2-W	1/16	8.1 The Algebra of Exponential Functions
2-F	1/18	8.2 The Natural Exponential Function
3-M	1/21	Problems
3-T	1/22	Quiz 2 (7.4, 8.1, 8.2) 8.3 Limits of Exponential Functions
3-W	1/23	8.4 Derivatives of Exponential Functions
3-F	1/25	8.5 Graphs of Exponential Functions
4-M	1/28	Problems
4-T	1/29	Quiz 3 (8.3, 8.4, 8.5) 8.6 Applications of Exponential Functions
4-W	1/30	8.7 L'Hôpital's Rule
4-F	2/1	9.1 The Algebra of Logarithmic Functions
5-M	2/4	Problems
5-T	2/5	Quiz 4 (8.6, 8.7, 9.1) 9.2 Limits and Derivatives of Logarithmic Functions
5-W	2/6	9.3 Using Logarithms as a Computational Tool
5-F	2/8	Catch up/Review
6-M	2/11	Review
6-T	2/12	TEST I (7.3 – 9.3)
6-W	2/13	10.1 Right Triangle Trigonometry
6-F	2/15	10.2 Unit Circle Trigonometry
7-M	2/18	Quiz 5 (one test problem) 10.3 The Algebra of Trigonometric Functions
7-T	2/19	(Assessment Day - no class)
7-W	2/20	10.4 Limits of Trigonometric Functions
7-F	2/22	10.5 Derivatives of Trigonometric Functions
8-M	2/25	Problems
8-T	2/26	Quiz 6 (10.1, 10.2, 10.3, 10.4, 10.5) 10.6 Graphs of Trigonometric Functions
8-W	2/27	11.1 Defining the Inverse Trigonometric Functions
8-F	3/1	11.2 Derivatives of Inverse Trigonometric Functions

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Day	Date	Section
9-M	3/4	Spring Break
9-T	3/5	Spring Break
9-W	3/6	Spring Break
9-F	3/8	Spring Break
10-M	3/11	Problems
10-T	3/12	Quiz 7 (10.6, 11.1, 11.2) 12.1 Geometric Approximation and Sigma Notation
10-W	3/13	12.2 Approximating Area with Riemann Sums
10-F	3/15	12.3 The Definite Integral
11-M	3/18	Review
11-T	3/19	TEST II (10.1 – 12.3)
11-W	3/20	12.4 Area and Average Value
11-F	3/22	13.1 Indefinite Integrals
12-M	3/25	Problems
12-T	3/26	Quiz 8 (12.4, 13.1, test problems) 13.2 The Fundamental Theorem of Calculus
12-W	3/27	13.3 Functions Defined by Integrals
12-F	3/29	14.1 Integration by Substitution
13-M	4/1	Problems
13-T	4/2	Quiz 9 (13.2, 13.3, 14.1) 14.2 Integration by Parts
13-W	4/3	14.3 Trigonometric Integrals
13-F	4/5	14.4 Trigonometric Substitution
14-M	4/8	Problems
14-T	4/9	Quiz 10 (14.2, 14.3, 14.4) Integration Practice
14-W	4/10	15.1 Arc Length
14-F	4/12	15.2 Volumes by Slicing
15-M	4/15	Problems
15-T	4/16	Quiz 11 (15.1, 15.2, integration) 15.3 Volumes by Shells
15-W	4/17	15.4 Practical Applications
15-F	4/19	Catch-up, more applications
16-M	4/22	Review
16-T	4/23	TEST III (12.4 – 15.4)
16-W	4/24	Special Lecture (attendance is mandatory)
16-F	4/26	Last Day (attendance is mandatory)