

Math 231 REVISED Syllabus**Fall 2001**

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	8/27	0.1 Numbers and Sets
1-T	8/28	Diagnostic Quiz 0.2 Equations
1-W	8/29	0.3 Inequalities
1-F	8/31	0.4 Logic
2-M	9/3	0.5 Proofs
2-T	9/4	Quiz 1 1.1 What is a Function?
2-W	9/5	1.2 Graphs of Functions
2-F	9/7	1.3 Linear Functions
3-M	9/10	Problems
3-T	9/11	Quiz 2 (cancelled; no class)
3-W	9/12	1.4 A Basic Library of Functions
3-F	9/14	(class cancelled)
4-M	9/17	1.5 Combinations of Functions
4-T	9/18	Quiz 3 1.6 Transformations and Symmetry
4-W	9/19	1.7 Inverse Functions
4-F	9/21	2.1 Intuitive Notion of Limit
5-M	9/24	2.2 Formal Definition of Limit
5-T	9/25	2.3 Delta-Epsilon Proofs
5-W	9/26	Review for Test I
5-R	9/27	Test I (evening)
5-F	9/28	2.4 Limit Rules
6-M	10/1	2.5 Calculating Limits
6-T	10/2	Quiz 4 2.6 Continuity
6-W	10/3	2.7 Two Theorems about Continuous Functions
6-F	10/5	3.1 Tangent Lines and the Derivative at a Point
7-M	10/8	Problems
7-T	10/9	Quiz 5 3.2 The Derivative as an Instantaneous Rate of Change
7-W	10/10	3.3 Differentiability
7-F	10/12	3.4 The Derivative as a Function

Day	Date	Section
8-M	10/15	(class cancelled)
8-T	10/16	(class cancelled)
8-W	10/17	Quiz 6 3.5 Basic Differentiation Rules
8-F	10/19	FALL BREAK
9-M	10/22	3.6 Three Theorems about Tangent Lines
9-T	10/23	Quiz 7 (cancelled; no quiz today) 3.7 The First Derivative and Function Behavior
9-W	10/24	3.8 The Second Derivative and Function Behavior
9-F	10/26	4.1 The Algebra of Power Functions
10-M	10/29	Review for Test II
10-T	10/30	Test II
10-W	10/31	4.2 Limits of Power Functions
10-F	11/2	4.3 Derivatives of Power Functions
11-M	11/5	Problems
11-T	11/6	Quiz 8 4.4 Graphs of Power Functions with Integer Powers
11-W	11/7	4.5 Graphs of Power Functions with Rational Powers
11-F	11/9	5.1 The Algebra of Polynomial Functions
12-M	11/12	Problems
12-T	11/13	Quiz 9 5.2 Limits and Derivatives of Polynomial Functions
12-W	11/14	5.3 Graphing Polynomial Functions
12-F	11/16	5.4 Optimization with Polynomial Functions
13-M	11/19	6.1 The Algebra of Rational Functions
13-T	11/20	Quiz 10 6.2 Limits and Asymptotes of Rational Functions
13-W	11/21	THANKSGIVING BREAK
13-F	11/23	THANKSGIVING BREAK
14-M	11/26	Review for Test III
14-T	11/27	TEST III
14-W	11/28	6.3 Derivatives of Rational Functions
14-F	11/30	6.4 Graphs of Rational Functions
15-M	12/3	7.1 Working with Algebraic Functions
15-T	12/4	Quiz 11 7.2 The Product Rule and the Chain Rule
15-W	12/5	7.5 Optimization and Curve Sketching
15-F	12/7	Review for Final Exam

Final Exam Time: Monday, Dec. 10, 8:00-10:00 a.m.

See me ASAP if you are in section 01 and have a problem with this time.