

Ma111 - Calculus I Syllabus

Fall 2025

Instructor Information:

Instructor: Prof. Om Agrawal
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Class Time:

Tuesday 10:00 – 11:50 AM
Thursday 1:00 – 1:50 PM
Friday 10:00 – 11:50 AM

Attendance is **mandatory**. No calculators or laptops are allowed during exams. Turn off cellphones before entering the classroom.

Office Hours:

Monday 11:00 – 11:50 AM
Tuesday 8:00 – 8:50 AM
Thursday 8:00 – 8:50 AM

Textbook:

Thomas's Calculus 12th Edition.
Chapters 1, 2, 3, 4, 5, 7, A1, and A6 will be covered.

Point Distribution:

Quizzes (every Tuesday, no makeups)	70
Homework	30
Four Exams	400
Total	500

Grading:

90% ≤	A
80% ≤	B < 90%
70% ≤	C < 80%
60% ≤	D < 70%
	F < 60%

Exam Dates:

Exam 1: October 2
Exam 2: October 23
Exam 3: November 13
Final: December 16

Homework Assignments:

Due Date:	Problems:
9/4	A.1: 1, 2, 7, 8, 14, 16, 19, 20, 22 1.1: 6, 7, 11, 14, 17, 29, 35, 39, 47, 52, 54, 72
9/5	1.2: 1, 2, 4, 5, 17, 23, 25, 38, 63, 67
9/9	1.3: 4, 8, 18, 21, 30, 41 2.2: 2, 15, 21, 33, 35, 40, 60, 75
9/11	2.3: 37, 39, 44, 49, 54, 56
9/12	2.4: 1, 5, 7, 18, 19, 25, 30, 31, 42, 46 2.5: 2, 6, 8, 29, 41, 52, 59, 62, 65
9/16	2.6: 1, 7, 19, 21, 31, 35, 41, 43, 45, 67, 72, 77, 81, 83, 92, 101 3.1: 7, 13, 23, 27, 33, 34, 36
9/18	3.2: 3, 9, 15, 21, 25, 27, 30, 32, 37, 41, 42, 45, 47, 54, 58
9/19	3.3: 1, 3, 8, 11, 17, 19, 21, 23, 29, 33, 43, 47, 56, 65
9/23	3.4: 1, 5, 7, 15, 22, 23 3.5: 2, 3, 5, 15, 19, 33b, 35, 47, 49, 59, 65, 66
9/25	3.6: 8, 15, 26, 31, 61, 71, 83, 89
9/26	3.7: 23, 35, 44, 47
9/30	3.8: 1, 13, 23, 34, 42
10/3	3.9: 8, 17, 21, 26, 29, 35, 44, 54ab
10/7	4.1: 1, 4, 7, 9, 11, 20, 35, 51, 61, 71, 76
10/9	4.2: 5, 7, 10, 12, 17, 28, 47, 64
10/10	4.3: 3, 17, 23, 31, 36, 63ac, 70
10/14	7.1: 1, 4, 5, 12, 22, 31, 38, 53, 57, 58, 63 (complete bcd without CAS) 7.6: 1ab, 3ab, 11, 15, 23, 100, 107, 117
10/16	7.5a: 4, 11, 13, 14, 15, 23, 25, 47, 68, 75
10/17	4.4: 2, 3, 7, 23, 54, 88, 93, 94, 102, 112
10/21	4.5: 3, 7, 15, 22, 38, 63 4.6: 5, 8, 21
10/24	4.7: 9, 15, 47, 63, 67, 94 5.1: 4bd, 17, 21, 22
10/28	5.2: 3, 9, 15, 25, 33, 39 5.3: 9df, 15, 23, 28, 49, 71, 73, 74, 75, 81, 88
10/30	5.4: 14, 16, 18, 20, 23, 27, 29, 36, 40, 41, 47, 54, 55, 64, 65
10/31	5.5: 6, 21, 24, 31, 38, 40, 43, 51, 55, 62, 63 7.6: 43, 51, 58
11/4	5.6: 1, 20, 24, 35, 43, 59, 63, 75, 79, 81, 82, 83, 86, 87, 88, 89, 90a
11/7	11.7: 1, 4, 6, 8, 9, 12, 13, 14, 15, 17, 20, 21, 23, 25, 26, 27, 36, 37, 39, 42, 43, 45, 47, 49, 51, 53, 54, 55, 65, 67, 70, 71
11/11	7.3: 1, 5, 17, 23, 27, 29, 32, 34, 39, 42, 43, 47, 50, 51, 57, 71, 87, 91, 105, 109, 115, 119, 135a, 136
11/13	7.4: 1, 3, 5, 7, 9, 11, 28, 39, 44
11/14	7.5b: 51, 53, 55, 57, 61, 71, 77, 80, 86, 88
11/18	7.7: 1, 5, 11ab, 12, 17, 44, 77, 86
11/20	7.8: 2abdf, 3bceg, 6aceg, 9bdfh, 14, 20
11/21	8.1: 3, 5, 10, 11, 13, 24, 25, 27, 33, 39, 41, 45, 49, 51, 61, 65, 66, 68
11/24	8.2: 3, 8, 12, 14, 19, 23, 28, 29, 31, 35, 37, 39, 44, 45, 49, 51, 62, 72
11/25	8.3: 1, 3, 5, 9, 12, 13, 15, 16, 17, 23, 25, 29, 31, 33, 35, 37, 39, 43, 45, 48, 49, 57, 58
11/26	8.4: 4, 5, 7, 15, 17, 21, 29, 51
12/2	8.7: 1, 2, 4, 9, 11, 13, 16, 19, 22, 23, 25, 29, 32, 34, 35, 37, 39, 41, 43, 45, 49, 53, 56, 58, 61, 63, 66, 73
12/4	8.5: 7, 28, 37, 44, 56, 67
12/5	8.6: 3, 9, 25, 28, 38