

Math 150 Syllabus

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Office Physics 234
Hours MWF 10-11

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Unit 1: Chapters 1 and 2 – Functions and Limits

1.1 – 2, 9, 14, 17, 21, 23, 37, 41, 49, 52, 53, 54, 59
1.2 – 1, 4, 9, 12, 16, 20
1.3 – 1, 3, 6, 10, 13, 18, 21, 31, 36, 43, 45, 54, 57, 62
2.2 – 1, 6, 9, 12, 29, 38
2.3 – 1, 5, 16, 21, 33, 43, 45, 53, 58
2.5 – 3, 7, 9, 34, 36, 38, 44, 55, 59

Test on Unit 1 -- September 18

Unit 2: Chapter 3 – Derivatives

3.1 – 1, 3, 5, 11, 19, 22, 24, 25, 28, 29
3.2 – 1, 2, 4, 5, 9, 10, 13, 15, 19, 32
3.3 – 1, 3, 4, 7, 14, 23, 24, 54, 75, 76, 83
3.4 – 3, 8, 12, 15, 19ab, 23, 29
3.5 – 3, 6, 13, 21, 22, 31, 33, 35, 40, 43, 46
3.6 – 1, 4, 5, 13, 20, 36, 41, 53, 54, 55, 64, 69
3.7 – 5, 6, 9, 26, 36, 40
3.8 – 1, 2, 5, 9, 14, 16, 29, 45, 56, 57
3.9 – 1, 6, 7, 13, 16, 21, 23, 25, 27, 29
3.10 – 5, 8, 15, 19, 21, 27, 31, 33, 35, 40, 42, 44

Test on Unit 2 – October 14

Unit 3: Chapters 4 and 5 – Applications of Derivatives and Integrals

4.1 – 3, 5, 24, 29, 33, 36, 45, 48, 53, 63, 70
4.2 – 2, 6, 13, 25, 33
4.3 – 1, 2, 5, 6, 11, 12, 21, 25, 26
4.4 – 2, 3, 4, 8, 16, 17, 31, 47, 48
4.5 – 1, 2, 7, 8, 11, 12, 21, 28
4.7 – 3, 9, 14, 15, 28, 29, 33, 47; #50 = extra credit
4.9 – 8, 19
5.1 – \square , 4, 11, 15, 17, 18, 19
5.2 – 15, 18, 21, 29a, 32, 33, 38, 39, 45, 46, 51, 63, 64
5.3 – 1, 3, 9, 11, 21, 25, 32, 41, 49, 52, 54, 58
5.4 – 1, 4, 7, 12, 21, 22, 27, 34, 41, 45, 48, 55
5.5 – 2, 3, 4, 7, 19, 21, 27, 30, 45, 52

Test on Unit 3 – November 15

Unit 4: Chapters 6 and 7 Exponential, Logarithmic and Inverse Trigonometric Functions

6.1 – 1, 3, 5, 6, 8, 11, 15, 24
7.1 – 7, 14, 19, 21, 25, 26, 31, 33, 39, 40, 43
7.2 – 3, 13, 15, 17, 23, 25, 33, 37, 71, 73, 77, 80, 84
7.3 – 3, 4, 7, 8, 12, 33, 35, 38, 47, 49
7.4 – 2, 7, 8, 40, 43, 69, 71, 72, 76
7.5 – 1, 2, 21, 25, 32, 47, 48, 59, 70
7.6 – 3, 6, 33, 55, 61
7.7 – 5, 11, 12, 17, 20, 43, 52, 59, 63, 91, 92, 94
10.4 – 2, 3, 11, 12, 13, 18

Test on Unit 4 – December 9

Review

Final Examination – December 14

Grading will be on a curve based on 4 tests (100 pts each) and the final exam (200 pts).
Test problems will be like homework problems with the numbers changed.