

FALL SEMESTER 2003

MATH 1550-24

Analytic Geometry and Calculus I
2:40–3:30 MTWThF
Lockett 138

PREREQUISITE

Math 1022 or 1023 or consent of the department

TEXTBOOK

James Stewart: **Calculus**, Early Transcendentals, 5th edition, Brooks/Cole Publishing Co., 2003

COVERAGE

Chapter 2: Limits and derivatives (2.1–2.9)
Chapter 3: Differentiation rules (3.1–3.11)
Chapter 4: Applications of differentiation (4.1–4.5, 4.7, 4.9, 4.10)
Chapter 5: Integrals (5.1–5.5)
Chapter 6: Applications of integration (6.1–6.5)
Chapter 8: Further applications of integration (8.1, 8.2)

GRADING PROCEDURE

Quizzes	80 pts
Four exams	400 pts
Final exam	220 pts

Total score	700 pts
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Tentative scale	A	600–700
	B	530–599
	C	450–529
	D	380–449
	F	below 380

MAKE-UP EXAM POLICY

Make-up exams will be granted in case of serious illness, death of an immediate family member or university sponsored activities.

CALCULATOR USAGE IN EXAMS

No graphing calculators, but scientific calculators are OK.

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Schedule for Math 1550-24

- Week 1:** Aug 25–29
2.1–2.4
- Week 2:** Sept 2–5 (Sept 1: Labor Day)
2.5–2.7
- Week 3:** Sept 8–12
2.8–2.9, 3.1–3.2
- Week 4:** Sept 15–19 (**Exam 1:** Sept 15 Monday)
3.3–3.4
- Week 5:** Sept 22–26
3.5–3.7
- Week 6:** Sept 29–Oct 1 (Oct 2–3: Fall holiday)
3.8–3.9
- Week 7:** Oct 6–10 (**Exam 2:** Oct 10 Friday)
3.10–3.11
- Week 8:** Oct 13–17 (Midsemester examination period)
4.1–4.3
- Week 9:** Oct 20–24
4.4–4.5, 4.7
- Week 10:** Oct 27–31
4.9–4.10, 5.1–5.2
- Week 11:** Nov 3–7 (**Exam 3:** Nov 3 Monday)
5.3–5.4
- Week 12:** Nov 10–14
5.5, 6.1–6.2
- Week 13:** Nov 17–21
6.3–6.4
- Week 14:** Nov 24–26 (**Exam 4:** Nov 25 Tuesday. Thanksgiving holiday)
6.5
- Week 15:** Dec 1–5
8.1–8.2, review for the final
- Week 16:** **Final Exam:** Dec 8 Monday, 10:00–noon, Lockett 138

Homework assignments for Math 1550-24

- 2.1:** 3, 7
- 2.2:** 15, 20, 21, 25, 27, 30
- 2.3:** 11, 15, 19, 25, 39, 44, 47, 48, 49
- 2.4:** 19, 21, 37
- 2.5:** 16, 17, 18, 31, 39, 41, 45, 47
- 2.6:** 17, 19, 21, 23, 27, 31, 38, 49
- 2.7:** 7, 11, 17, 19
- 2.8:** 5, 15, 19, 21, 22, 25, 35, 36
- 2.9:** 23, 25, 37, 38, 39
 - Chapter 2 Review exercises: 7, 13, 17, 19, 31, 37
- 3.1:** 15, 17, 25, 43, 45, 53, 57
- 3.2:** 3, 13, 17, 23, 25, 28, 36, 39
- 3.3:** 7, 13, 17
- 3.4:** 5, 9, 11, 15, 21, 33, 35, 36, 38, 39, 43
- 3.5:** 7, 11, 13, 17, 23, 31, 39, 43, 51
- 3.6:** 5, 13, 15, 27, 28, 37
- 3.7:** 9, 17, 23, 24, 27, 29, 33, 35, 36
- 3.8:** 3, 13, 17, 21, 24, 29, 38, 39, 41
- 3.9:** 20, 31, 52, 53, 54
- 3.10:** 5, 7, 9, 13, 32, 33
- 3.11:** 15, 19, 23, 25, 31, 35
 - Chapter 3 Review exercises: 9, 15, 27, 37, 43, 50
- 4.1:** 33, 37, 39, 41, 43, 53, 55, 57, 59, 63
- 4.2:** 15, 17, 25, 27
- 4.3:** 11, 15, 17, 25, 33, 37, 43, 47
- 4.4:** 7, 9, 15, 21, 25, 39, 41, 47, 51, 53, 57, 74
- 4.5:** 5, 11, 19, 31, 41, 45
- 4.7:** 17, 20, 29, 31, 47, 50
- 4.9:** 5, 12, 13
- 4.10:** 5, 17, 18, 21, 29, 39, 43
 - Chapter 4 Review exercises: 5, 9, 21, 27, 51, 69
- 5.1:** 3, 17, 19, 20
- 5.2:** 15, 17, 19, 31, 32, 35
- 5.3:** 5, 10, 15, 21, 27, 31, 37, 39, 57, 58
- 5.4:** 9, 13, 19, 23, 27, 33, 35, 39
- 5.5:** 4, 7, 13, 17, 21, 27, 31, 32, 37, 41, 53
 - Chapter 5 Review exercises: 3, 8, 17, 23, 31, 37, 47
- 6.1:** 5, 15, 17, 19, 21, 25, 47
- 6.2:** 1, 5, 7, 15, 17, 33, 35, 54, 55
- 6.3:** 5, 7, 11, 17, 21, 25, 35, 41
- 6.4:** 3, 6, 13, 15
- 6.5:** 3, 5, 7, 14
 - Chapter 6 Review exercises: 5, 8, 13, 15, 23
- 8.1:** 7, 8, 11, 19, 21, 31, 33
- 8.2:** 3, 5, 9, 15, 17, 27, 31