FALL SEMESTER 2002

MATH 1550-24
Analytic Geometry and Calculus I
9:40–10:30 MTWThF
Lockett 134

PREREQUISITE
Math 1022 or 1023 or consent of the department

TEXTBOOK
James Stewart: **Calculus**, Early Transcendentals, 4th edition, Brooks/Cole
Publishing Co., 1999

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

Exams (best 4 out of 5)	400 pts
Final exam	200 pts
Total score	600 pts

Tentative scale		
	A+	580–600
	A	510–580
	B	450–509
	C	390–449
	D	330–389
	F	below 330

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.

Professor H.-H. Kuo
Office: Lockett 318
Office hours: 1:00–2:00 MW and 8:30-9:30 TTh
Telephone number: 578–1610
E-mail: kuo@math.lsu.edu
Website: http://www.math.lsu.edu/∼kuo

Schedule for Math 1550-24

Week 1 Aug 26–30
  2.1–2.4

Week 2 Sept 3–6 (Sept 2 Labor Day)
  2.5–2.7

Week 3 Sept 9–13 (Exam 1: Sept 13)
  2.8–2.9, 3.1

Week 4 Sept 16–20
  3.2–3.4

Week 5 Sept 23–27
  3.5–3.7

Week 6 Sept 30–Oct 4 (Exam 2: Oct 4)
  3.8–3.9

Week 7 Oct 7–9 (Oct 10–11 Fall holiday)
  3.10–3.11, 4.1

Week 8 Oct 14–18 (Midsemester exam period)
  4.2–4.4

Week 9 Oct 21–25 (Exam 3: Oct 25)
  4.5, 4.7

Week 10 Oct 28–Nov 1
  4.9–4.10, 5.1–5.2

Week 11 Nov 4–8
  5.3–5.4

Week 12 Nov 11–15 (Exam 4: Nov 15)
  5.5, 6.1

Week 13 Nov 18–22
  6.2–6.4

Week 14 Nov 25–27 (Nov 28–29 Thanksgiving holiday)
  6.5, 8.1

Week 15 Dec 2–6 (Exam 5: Dec 3)
  8.2, review for the final

Week 16 Final Exam: Dec 10 (Tue), 3:00–5:00 PM, Lockett 134

Homework assignments for Math 1550-24

2.1: 3, 7
2.2: 15, 19, 20, 21, 23, 25, 27
2.3: 11, 13, 15, 17, 19, 25, 35, 39, 44, 47, 48, 49
2.4: 19, 21, 37
2.5: 16, 17, 18, 31, 35, 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, 33, 34
2.9: 23, 25, 37, 38, 39
 • Chapter 2 Review exercises: 7, 13, 17, 19, 31, 37

3.1: 15, 17, 25, 43, 45, 50, 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, 41, 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, 7, 13, 17, 21, 24, 29, 38, 39, 41, 44
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, 57

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, 33, 39, 41, 47, 51, 55, 61
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: 11, 15, 17, 19, 21, 31, 32, 35, 41
5.3: 5, 10, 15, 21, 27, 31, 37, 39, 57, 58
5.4: 9, 13, 19, 23, 25, 29, 35, 39
5.5: 4, 7, 13, 17, 21, 27, 31, 32, 37, 41, 53
 • Chapter 5 Review exercises: 3, 8, 17, 21, 23, 31, 37, 47

6.1: 5, 15, 17, 19, 21, 25, 47
6.2: 1, 3, 5, 9, 15, 17, 31, 33, 35, 52
6.3: 5, 7, 11, 17, 19, 21, 25, 35, 41
6.4: 3, 6, 13, 15
6.5: 3, 5, 7, 14
 • Chapter 6 Review exercises: 3, 5, 7, 8, 13, 15, 25, 27

8.1: 7, 8, 11, 17, 19, 21, 31, 33
8.2: 3, 5, 9, 11, 15, 17, 27, 31, 35