

Advanced Calculus
MATH 25
Fall Quarter, 2006

TEXT: *Kenneth Ross*, Elementary Analysis: The Theory of Calculus

Chapters: 1 and 2.

INSTRUCTOR: Blake Temple, 3148 MSB, 752-2214

Lecture: MWF 10:00-10:50am, 115 Wellman

Discussion: TH 10:00-10:50am, 230 Wellman

Office Hours: MWF 11-12 or by appt.

e-mail: temple@math.ucdavis.edu

Web Page: <http://www.math.ucdavis.edu/~temple/MAT25/>

Teaching Assistants:

Brian Wissman, 2129 MSB, Wed 1:30-2:30

Pierre Dueck, 3123 MSB

GRADING: Midterms I,II=100pts each, Final =200pts, for a total of 400pts.

Midterm I: Wednesday, October 25, Sections 1-8

Midterm II: Friday, November 17, Sections 7-12

Final Exam: Saturday, December 16, 1:30-3:30am, 115 Wellman

HOMEWORK: Homework will be collected and returned in the Thursday discussion section. Homework assigned on the Wednesday, Friday and Monday before discussion will be due in Thursday Discussion Section. Homework will count 20 percent of the grade. There will be no makeup homework or exams.

SYLLABUS

| DAY | SECTION | HOMEWORK |
|--------------|-----------------------------|---|
| FR – Sept 29 | SetNotation, Sect.1 | Handout |
| MO – Oct 2 | Sect.1 | 1.1, 1.6, 1.12 |
| WE – Oct 4 | Ch I : Sect.1, 2 | 2.1, 2.5 |
| FR – Oct 6 | Sect.3 | 3.1, 3.3, 3.4, 3.6, 3.7 |
| MO – Oct 9 | Sect.4 | 4.1, 4.7, 4.10, 4, 13 |
| WE – Oct 11 | Sect.5, 6 | 5.1, 5.2 |
| FR – Oct 13 | Ch II : Sect.7 | 6.1, 7.2 |
| MO – Oct 16 | Sect.7 | 7.4, 7.5 |
| WE – Oct 18 | Sect.8 | 8.3, 8.4, 8.5 |
| FR – Oct 20 | Sect.8 | 8.6, 8.8a, 8.10 |
| MO – Oct 23 | Sect.9 | 9.1c, 9.2, 9.3, 9.5, 9.7, 9.8, 9.9, 9.10 |
| WE – Oct 25 | Sect.9 | 9.11 – 9.16, 9.18 |
| FR – Oct 27 | Midterm I | |
| MO – Oct 30 | Sect.10 | 10.1, 10.2, 10.3 |
| WE – Nov 1 | Sect.10 | 10.7 – 10.10 |
| FR – Nov 3 | Sect.11 | 11.1, 11.2(a_n), 11.3(s_n), 11.4(x_n) |
| MO – Nov 6 | Sect.11 | 11.5, 11.6, 11.9, 11.10 |
| WE – Nov 8 | Sect.12 | |
| FR – Nov 10 | Veterans Day Holiday | |
| MO – Nov 13 | Sect.12 | 12.1 – 12.4 |
| WE – Nov 15 | Sect.12 | 12.7, 12.8, 12.10, 12.14 |
| FR – Nov 17 | Midterm II | |
| MO – Nov 20 | Sect.14 | 14.1e, 14.2df, 14.3e, 14.4bc, 14.6 – 14.8 |
| WE – Nov 22 | Sect.14 | 14.10 – 14.13 |
| FR – Nov 24 | Thanksgiving | |
| MO – Nov 27 | Sect.15 | 15.1, 15.3, 15.4 |
| WE – Nov 29 | Sect.15 | 15.6 – 15.8 |
| FR – Dec 1 | Sect.16 | 16.1, 16.3, '6.4f, 16.5e |
| MO – Dec 4 | Sect.16 | 16.6, 16.7, 16.9 |
| WE – Dec 6 | Sect.13 | 13.1, 13.2 |
| FR – Dec 8 | Sect.13 | NoMore |

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