

Advanced Calculus
MATH 25
Winter Quarter, 2017

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

Chapters: 1 and 2.

INSTRUCTOR: Blake Temple, 3148 MSB

Lecture: MWF 9:00-9:50am, 1 Wellman

Discussions: Tues 5:10-6:00 and 6:10-7:00pm, 110 Hunt

Office Hours: MWF 1-2 or by appt.

e-mail: temple@math.ucdavis.edu

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

Teaching Assistants:

Christopher Alexander, christopher.alexander.ca@gmail.com

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

Midterm I: Wednesday, February 8, Sections 1-9

Midterm II: Wednesday, March 1, Sections 9-12

Final Exam: Thursday, March 23, 10:30-12:30pm, 1 Wellman

HOMEWORK: HW will not be collected, but there will be a homework quiz in each Tuesday discussion section covering the homework from the preceding week. I will use the homework score to (at most) adjust a grade by + or - according to my judgement. There will be no makeup of homework or exams.

SYLLABUS

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

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