

INTEGRAL CALCULUS
MATH 21B
Spring Quarter, 2005

TEXT: Stein and Barcellos, *Calculus and Analytic Geometry*,
Chapters: 5,7,8,9, and section 6.7.

INSTRUCTOR: Blake Temple, 666 Kerr Hall, 752-2214

Lecture: MWF 2:10-3:00pm, 1322 Storer

Office Hours: MWF 9-10:30 or by appt.

e-mail: temple@math.ucdavis.edu

Web Page: <http://www.math.ucdavis.edu/temple/MAT21B/>

DISCUSSION SECTIONS:

CRN60068 MAT-021B-B01, 261 OLSON, Tuesday 4:10-5:00pm

CRN60069 MAT-021B-B02, 229 WELLMAN, Tuesday 6:10-7:00pm

CRN60070 MAT-021B-B03, 229 WELLMAN, Tuesday 7:10-8:00pm

CRN60071 MAT-021B-B04, 229 WELLMAN, Tuesday 5:10-6:00pm

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

Midterm I: Monday, April 25, Sections 5.1-5.7,6.7,7.1-7.3,6.7

Midterm II: Wednesday, May 18, Sections 7.4-7.6,8.1-8.5,7.7.

Final Exam: Thursday, June 16, 8:00-10:00am

HOMEWORK: There will be regular announcements as well as surprise homework quizzes given during lecture. Problems will be based directly on the homework assignment, and will be open book/open notes. It is the responsibility of the TA to discuss homework in the Tuesday discussion sections. I will use the homework score to (at most) adjust a grade by a + or -, according to my judgement. There will be absolutely no makeup quizzes. Surprise quizzes may or may not be collected.

SYLLABUS

DAY	SECTION	HOMEWORK
FR – April 1	Introduction	Start reading Chapter 5
MO – April 4	5.1, 5.2	5.1 –7, 8, 9, 10, 27/ 5.2 –1c, 3c, 4b, 6c, 9, 20, 23, 33c, 34
WE – April 6	5.2, 5.3	5.3 –1c, 2, 5, 7, 31, 33, 34
FR – April 8	5.5, 5.6, 5.7	5.5 –1 – 10, 13, 18, 19, 22, 34, 35, 38/ 5.6 –9, 10
MO – April 11	5.6, 5.7	5.7 –5 – 15, 16, 18, 22, 24, 28, 30, 38, 39, 41, 44, 47
WE – April 13	5.4	5.4 –3, 6, 10, 16, 21
FR – April 15	7.1, 7.2	7.1 –1 – 26, 28, 29, 35
MO – April 18	7.2	7.2 –3, 5, 9, 11, 12, 14, 16, 18, 19, 22, 28 – 34, 36, 41, 42, 49
WE – April 20	6.7	6.7 –1 – 8, 13, 16, 18, 23, 24, 33
FR – April 22	7.3	7.3 –1, 3, 4, 5, 8, 10, 12, 13, 16, 18, 19, 33, 35, 42, 44, 46
MO – April 25	Midterm I	
WE – April 27	7.4, 7.5	7.4 –1, 3, 6, 8, 10, 11, 14, 18, 20, 21, 22, 24, 33, 37
FR – April 29	7.5	7.5 –2, 3, 4, 8, 9, 16, 18, 22, 26, 30, 31, 49, 50
MO – May 2	7.5, 7.6	7.6 –1, 3, 5, 6, 10, 11, 12, 13, 14, 20, 21, 24, 27, 33, 35
WE – May 4	7.6	7.6 –40, 41, 42, 43, 44, 49
FR – May 6	8.1, 8.2, 8.3	8.1 –7, 10, 11, 12, 13, 17, 20, 21, 26, 27, 29, 30/ 8.2 –10
MO – May 9	8.3, 8.4	8.3 –3, 4, 7, 8, 10, 13, 17, 18, 19, 22, 29, 32
WE – May 11	8.4, 8.5	8.4 –3, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24
FR – May 13	8.5	8.5 –3, 5, 6, 7, 8, 11, 12, 13, 18, 20, 21, 24
MO – May 16	7.7	7.7 –3, 5, 10, 13, 16, 18, 20, 21, 23, 29, 32, 33, 39, 40, 42, 45, 49, 58
WE – May 18	Midterm II	
FR – May 20	8.6	8.6 –2, 3, 4, 5, 6, 7, 9, 11, 13
MO – May 23	8.6, 8.8	8.8 –1, 3, 4, 12, 13, 14, 19, 22, 24, 31, 34
WE – May 25	8.8	8.8 –13, 14, 15, 18, 22, 23, 31, 34ab, 35, 36, 38
FR – May 27	9.1	9.1 –1, 2, 4, 5, 7, 8, 9, 10, 12, 13, 17, 18, 19, 21, 23, 25, 26, 30
MO – May 30	Memorial Day Holiday	
WE – June 1	9.2	9.1 –32, 34, 35, 37/ 9.2 –1, 3, 4, 6, 9, 12, 13, 14, 15, 20
FR – June 3	9.3	9.3 –1, 2, 3, 4, 10, 11, 12, 15, 17, 20, 21, 23, 24, 25, 29, 30, 31
MO – June 6	9.4	9.4 –1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 18, 21
WE – June 8	Review/Catch up	

(1)