

MATH 141, Sections 02xx
CALCULUS II, Spring 2009

Instructor: Professor D. Kueker **Lectures:** MWF 11-11:50 p.m.
Email: dwk@math.umd.edu **Lecture Location:** ARM 0135
Office: Math Building 2105 **Teaching Assistants:** Edward Clifford, Colin Craft, Domingo Ruiz, Andy Sanders
Office Hours: MW 2-2:50

Course Description: Part 2 of the calculus sequence, covering applications of integration, inverse functions, techniques of integration, sequences, series, and polar coordinates. The prerequisite is a grade of C or better in Math 140.

Required Text: *Calculus*, 6th Edition, by Robert Ellis and Denny Gulick (Thomson Custom Publishing, 2003). The ISBN listed on Testudo is 978-0-7-5931379-8.

Format: Math 141 meets 5 times a week: MWF in large lecture, and TTh in small sections for 80 minutes. Your attendance is expected each day. Normally the first 15-20-minute portion of each TTh session is for questions about homework problems; the remainder of the session is devoted to a worksheet prepared especially for that session. You will work in groups of about 4-5 students, but you will hand in your own worksheet for grading.

Homework: Graded homework uses the online WebAssign system, with deadlines at 8:00am on Tuesdays and Thursdays. The WebAssign exercises are normally close relatives of corresponding problems in the text. In order to log into WebAssign, go to

<http://www.webassign.net/umd/login.html>.

At that point you will need to key in your username and password. The username and password are exactly what you use to get into the UMD system (as for email, etc.) For generic directions on using WebAssign, go to

<http://www.math.umd.edu/~jow/misc/wadir.pdf>.

Required Graphing Calculator: Graphing calculators are an integral part of the course. The preferred types are Texas Instruments (TI-83 plus, TI-84, TI-85, TI-86, TI-89). **NOTE: Neither calculators nor computers are allowed during tests.**

Exams: There will be four 50-minute exams, after each of Chapters 6, 7, 8 and 9. The final examination is cumulative, including all material of the course. There may occasionally be quizzes during TTh classes.

Grading:

ASSIGNMENT	MAXIMUM POINTS
Top three 50-minute exam scores	300
$1/2 \times$ (lowest 50-minute exam score)	50
Online homework and TTh classwork (worksheets, quizzes)	150
Final examination score	200
Total possible number of points	700

Note: the lowest three homework and lowest three worksheet scores are dropped.

Course grades are expected to be approximately: A: 90% - 100%; B: 80% - 89%; etc.

Makeup Exams: In accordance with University Policy, makeups (for exams only) will be given only for illness, religious observance, official participation in university activities, or compelling circumstances beyond your control. Adequate documentation is required and, except for emergencies, requests for makeups must be made (to Prof. Kueker, not your TA) before the date of the exam.

Academic Integrity: UMCP has a nationally recognized Code of Academic Integrity administered by the Student Honor Council. You are responsible for understanding the code and abiding by its standards.

Resources: Students who have a documented learning disability and need special accommodations must turn in the Disability Support Service (DSS) forms to Prof. Kueker early in the semester. For further information see

<http://www.counseling.umd.edu/DSS>.

The math department offers free walk-in tutoring; the schedule will be at:

<http://www.math.umd.edu/undergraduate/resources/tutoring.shtml>.

Also see <http://db.math.umd.edu/testbank> for old exams to practice.

TENTATIVE SCHEDULE: CLASSES & HOMEWORK

Day	Date	Section	Practice Homework from Textbook	WebAssign Hwk Due
M	1-26	Review, 6.1	Chap 5 Review (p.363): 4, 5, 8, 13, 17, 18, 20, 44; 6.1: 3, 9, 13	Thurs, 1-29
W	1-28	6.1	6.1: 15, 17, 31, 35, 53, 59	Thurs, 1-29
F	1-30	6.2, 6.4	6.2: 3, 5, 12, 19; 6.4: 3, 7, 9	Tues, 2-3
M	2-2	6.4	6.4: 17, 19, 21, 23	Tues, 2-3
W	2-4	6.5	6.5: 3, 7, 11, 17, 23, 25	Thurs, 2-5
F	2-6	6.7	6.7: 3, 7, 9, 11, 19, Project (p.416)	Tues, 2-10
M	2-9	6.8	6.8: 1, 3, 9, 10(a)(b)	Tues, 2-10
W	2-11	Review		Thurs, 2-12
F	2-13		EXAM 1 on Chapter 6	
M	2-16	7.1	7.1: 9, 11, 19, 23, 44, 55, 57, 60	Tues, 2-17
W	2-18	7.2	7.2: 7, 15, 25, 33, 35, 37	Thurs, 2-19
F	2-20	7.3	7.3: 5, 7, 11, 15, 21, 29, 34	Tues, 2-24
M	2-23	7.5	7.5: odd numbers 1-15, 21, 23, 29, 33, 37, 39, 45, 53, 55, 67(a)	Tues, 2-24
W	2-25	7.6	7.6: 5, 6, 7, 9, 13, 17, 19, 29, 37, 47, 53, 57	Thurs, 2-26
F	2-27	7.7	7.7: 3, 7, 11, 13, 15, 22	Tues, 3-3
M	3-2	7.8	7.8: 3, 4, 8, 9, 11, 15, 19, 21, 29	Tues, 3-3
W	3-4	Review		Thurs, 3-5
F	3-6		EXAM 2 on Chapter 7	
M	3-9	8.1	8.1: 5, 11, 13, 24, 31, 35, 41, 47, 55, 61	Tues, 3-10
W	3-11	8.2	8.2: 3, 7, 11, 15, 19, 23, 31, 35, 41, 45, 53	Thurs, 3-12
F	3-13	8.3	8.3: 1, 5, 9, 14, 21, 25, 29, 30, 43, 51, 57	Tues, 3-24
			SPRING BREAK	
M	3-23	8.4	8.4: 1, 3, 5, 7, 15, 17, 31, 39, 49, 53	Tues, 3-24
W	3-25	8.6	8.6: 1, 7, 11, 13, 15, 19, 22, 27	Thurs, 3-26
F	3-27	8.7	8.7: 3, 7, 11, 17, 27, 33, 34	Tues, 3-31
M	3-30	8.7	8.7: 39, 49, 55, 58, 69, 81(a)	Tues, 3-31
W	4-1	Review		Thurs, 4-2
F	4-3		EXAM 3 on Chapter 8	
M	4-6	9.1	9.1: 1, 4, 9, 11, 19, 27	Tues, 4-7
W	4-8	9.2	9.2: 3, 7, 17, 19, 25, 31, 35, 53, Project	Thurs, 4-9
F	4-10	9.3	9.3: 1, 9, 15, 16, 17, 25, 30, 36	Tues 4-14
M	4-13	9.4	9.4: 5, 7, 11, 13, 25, 29, 33, 35, 48, 51, 61	Tues, 4-14
W	4-15	9.5	9.5: 1, 3, 7, 15, 23, 27, 35	Thurs, 4-16
F	4-17	9.6	9.6: 1, 9, 13, 17	Tues, 4-21
M	4-20	9.7	9.7: 1, 7, 9, 19, 21, 23, 27	Tues, 4-21
W	4-22	9.8	9.8: 1, 13, 19, 23, 27	Thurs, 4-23
F	4-24	9.8	9.8: 31, 41, 43, Project	Tues. 4-28
M	4-27	9.9	9.9: 3, 7, 8, 9, 13, 19, 23, 33, 37	Tues, 4-28
W	4-29	Review		Thurs, 4-31
F	5-1		EXAM 4 on Chapter 9	
M	5-4	Complex nus.		Tues, 5-5
W	5-6	Complex nus., 10.1		Thurs, 5-7
F	5-8	10.1, 10.2		Tues, 5-12
M	5-11		Course Review	
W	5-13		Study day	
Thurs	5-14		FINAL EXAMINATION: 1:30 - 3:30pm (rooms to be determined)	