

Lectures: (Section 31) 9 - 9:50 MWF in Lunt 107
(Section 61) 12 - 12:50 MWF in Tech MG28

Discussion Sections: (Section 31) 9 - 9:50 Th in Lunt 107
(Section 61) 12 - 12:50 Tu in Lunt 105

Professor: Dr. David McClendon
Office: Lunt 220, phone 7-1838, hours MW 10:00 - 11:30
Email: dmm@math.northwestern.edu

Teaching Assistants: You can ask either TA for help regardless of your section.
(Section 31) Dana Ferguson (Lunt B11, 7-1953, dferg@math.northwestern.edu)
(Section 61) Shu Gao (Lunt B14, 7-1958, shugao@math.northwestern.edu)

Textbook: *Calculus: Concepts & Connections* by Smith and Minton, ISBN 0-07-282623-1

Web:

1. On Blackboard, courses.northwestern.edu (this page contains general Calculus III material)
2. <http://www.math.northwestern.edu/~dmm/teaching.html> (contains old quizzes and exams, a list of mathematical prerequisites, and all handouts from the course)

Course material: Differential calculus of vector-valued functions and functions of several variables. Chapters 8,9 and 10 of the textbook are covered.

Grading policy: There are two midterms which are each out of 100 points. The final is cumulative and is scaled out of 200 points. There are quizzes in the discussion sections; the lowest quiz is dropped and the others are averaged together and scaled out of 100 points. This makes a total of 500 possible points for the quarter. Grades are curved at the end of the quarter. **You do not necessarily need to get 90% on the exams to get an A.**

Homework: A list of recommended problems is on this syllabus. The problems listed to a date should be looked at between that date and the next class. Homework is not collected or graded.

Quizzes: Once a week during discussion sections. The material for the quiz is always “what was covered in class since the last quiz or exam”. Calculators are not permitted. If you will miss a quiz, contact your teaching assistant ahead of time to schedule a makeup.

Midterms: There are two midterms, given during your discussion section, during the weeks of **April 23-27** and **May 21-25**. I reserve the right to change these dates with advance notice. The midterms are difficult and not only test your ability to do homework and quiz questions but also your understanding of the material. Calculators are not permitted.

Final exam: The final exam covers the whole quarter and will take place **Monday, June 4** from **12:00 PM to 2:00 PM** (probably not in the usual classroom). All Math 230 students take the same final exam. Calculators are not permitted. There will be a review session (or sessions) during reading week.

Absences: Except in cases of emergency, quizzes or exams may not be made up without advance notice. Contact your teaching assistant before your absence if you will miss a quiz.

Academic dishonesty: Papers will be monitored for “magic answers”. Issues with academic dishonesty will be referred directly to the Dean’s Office.

Course Schedule:

DATE	SECT. 31 (9 AM)	SECT. 61 (12 PM)	HOMEWORK
Mon 3.26	8.1	8.1	p. 694) 3,5,9,13,21,25,29,39,45,49
Wed 3.28	8.2	8.2	p. 702) 1,3,4,7,11,15,19,23,29,33,37,38,43,53,55
Fri 3.30	8.3	8.3	p. 711) 3,5,9,13,15,17,19,23,25,31,33,40,47,49,59
Mon 4.2	8.4	8.4	p. 723) 1,7,11,15,17,19,21,25,27,49,53,55,59,66
Wed 4.4	8.5	8.5	p. 733) 1-9 odd, 15-19 odd
Fri 4.6	8.5	8.5	p. 733) 21-29 odd, 39,43,45,49,51-58,61,63

DATE	SECT. 31 (9 AM)	SECT. 61 (12 PM)	HOMEWORK
Mon 4.9	8.6	8.6	p. 744) 1-17 odd,21,29,33,35,47
Wed 4.11	Misc.	Misc.	p. 79) 21-27,29,31,35,37,49,51,53,55,69 p. 56) 71, 72, 75, 76
Fri 4.13	9.1	9.1	p. 758) 1,3,7,9,11,13,15,31,45,47
Mon 4.16	9.2	9.2	p. 770) 3,5,7,17,19,21,27,31,35,37,41
Wed 4.18	9.3	9.3	p. 779) 3,5,11,13,19,25,33,35,39
Fri 4.20	9.4	9.4	p. 788) 1,5,9,13,17,21,23,25,27,29,31,35
Mon 4.23	9.5	Review	9 AM SECTION: p. 801) 3,7,13,15,19,21,23,25,29
Tue 4.24		Exam 1	
Wed 4.25	Review	9.5	12 PM SECTION: p. 801) 3,7,13,15,19,21,23,25,29
Thu 4.26	Exam 1		
Fri 4.27	11.6,11.7	11.6,11.7	p. 979) 1,3,6-9,39,42-46 p. 987) 1,3,9,11,15,17,19,21,23,25,29
Mon 4.30	9.6	9.6	p. 807) 1,3,7,9,13,15,17,19,20,23,27,29,31,40,41,43
Wed 5.2	10.1	10.1	p. 822) 1,5,9,13,17,31,41,47,49,51,67
Fri 5.4	10.2	10.2	p. 839) 3,7,13,19,21,25,37,41,47,51,52,53,55 LAST DAY TO DROP CLASS
Mon 5.7	10.3	10.3	p. 848) 3,5,7,9,13,19,25,27,37,39,47,49,59,63
Wed 5.9	10.4	10.4	p. 862) 3,5,8,13,21,23,31,35,43,44
Fri 5.11	10.5	10.5	p. 873) 3,5,7,8,9,13,17
Mon 5.14	10.5	10.5	p. 873) 21-26
Wed 5.16	10.6	10.6	p. 883) 1,3,7,9,11,13,15,23,25,27,31,35,41,43,51,59
Fri 5.18	10.7	10.7	p. 898) 3-7
Mon 5.21	10.7	Review	9 AM SECTION: p. 898) 33-35,47-51
Tue 5.22		Exam 2	
Wed 5.23	Review	10.7	12 PM SECTION: p. 898) 33-35,47-51
Thu 5.24	Exam 2		
Fri 5.25	10.8	10.8	p. 910) 5,9,11,13,17,19,23,35
Mon 5.28			No class (Memorial Day)
Wed 5.30			No class (Reading week)
Fri 6.1			No class (Reading week)
Mon 6.4			Final Exam 12:00 PM to 2:00 PM