MATH 2210: Calculus III

Syllabus – Fall 2009

INSTRUCTOR: Dennis Allison
Office: JWB 211
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OFFICE HOURS: To be announced shortly

TEXT: Calculus with Differential Equations, 9th editon, by Varberg/Purcell/Rigdon; Prentice Hall, 2007

SUPPLEMENTS: Graph paper is recommended. Calculators will be useful in class and on assignments but are not allowed during exams. This means, for example, that you should know the trig values for fundamental angles, such as $0, \pi/6, \pi/4, \pi/3, \pi/2$. I'll try to keep calculations relatively simple on exams.

PREREQUISITE: MATH 1220-Calculus II with grade of C or higher

COURSE DESCRIPTION: This course is the conclusion of the traditional calculus sequence covering material primarily in Chapters 11-14. We introduce the calculus of parametric equations, graph of surfaces and curves in $\Re^3$, and extend previous notions of limits, derivatives, and integrals to $\Re^3$. We conclude with an introduction to vector calculus with new forms of integrals taken over surfaces and along curves in $\Re^3$. After this course you'll likely want to take MATH 2270, MATH 2280, and other more advanced mathematics classes.

EXAMS: There will be three midterm exams that emphasize the most recent material. There is also a comprehensive final exam. Each exam is given in our classroom.

ASSIGNMENTS: A list of assigned problems will be distributed that allows you to practice and apply ideas discussed in class. These problems will not be collected.

SEMESTER GRADE: The four exams each count 25%. There are no make-ups or retests.

GRADING SCALE:		87-89 B+	77-79 C+	67-69 D+	
	93-100 A	83-86 B	73-76 C	63-66 D	0-59 E
	90-92 A-	80-82 B-	70-72 C-	60-62 D-	

NOTE: The Americans with Disabilities Act requires that reasonable accommodations be made for students with physical, sensory, cognitive, systemic, learning, or psychiatric disabilities. Contact me at the beginning of the semester to discuss those accommodations that you may need for this course.

I've tried to plan for a variety of office hours in order to fit your schedule. I'll be happy to see you, so don't be a stranger. I also encourage you to form study groups and work together if you wish. You can also get help at the Math Lab downstairs between LCB and JWB.

Best wishes to you in this course. I hope you do well.

Dennis Allison

(cont.)

TENTATIVE COURSE SCHEDULE:

Week 01 (8/24): Sections 10.4, 11.1-11.2	
Week 02 (8/31): Sections 11.3-11.4	☺ Wednesday, 09/02: Last day to delete a course.
Week 03 (9/07): Sections 11.5-11.6	☺ Monday, 9/07: *Labor Day holiday!*
Week 04 (9/14): Sections 11.7-11.8	
Week 05 (9/21): Sections 11.9, 12.1	EXAM #1: Friday, 9/25. Please plan to attend.
Week 06 (9/28): Sections 12.2-12.4	
Week 07 (10/05): Sections 12.5-12.7	
Week 08 (10/12):	☺ *Fall break … all week long!*
Week 09 (10/19): Sections 12.8-12.9	Friday, 10/23: Last day to withdraw with grade W.
Week 10 (10/26): Sections 13.1-13.2	EXAM #2: Wednesday, 10/28. Please plan to attend.
Week 11 (11/02): Sections 13.3-13.4	
Week 12 (11/09): Sections 13.5 and 13.7	
Week 13 (11/16): Sections 13.8-13.9	EXAM #3: Friday, 11/20. Please plan to attend.
Week 14 (11/23): Sections 14.1-14.2	☺ *Thursday-Friday; 11/26-27: Thanksgiving break!*
Week 15 (11/30): Sections 14.3-14.5	
Week 16 (12/07): Section 14.6-14.7	

FINAL EXAM: Monday, 12/14: 10:30-12:30 in our classroom. Covers mostly the remaining material. Please do not ask to take the exam early. Unfortunately, I'm here for the duration too … drats!