Winter 2008
Math 273
Multi-variable Calculus 2
8:00 - 8:50 MTThF in Bouillon 210
W in Bouillon 103

Instructor: Dr. Jim Bisgard
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Office Hours: M-Th 10:00 - 10:50 and by appointment.

Course Goals: Math 273 is a second course in multi-variable calculus, and the main object of study is multi-variable integration. We will cover double and triple integrals, as well as analogues of the fundamental theorem of calculus for such integrals. In terms of book chapters, we will "only" be covering Chapters 15 and 16. If time permits, we may also spend some time on proofs.

Required Text: Thomas' Calculus: Early Transcendentals 11th ed.; Addison Wesley

1 Grades/Exams/Homework

Grades

Grades will be calculated using the following weighting system:
Quizzes: 40%;
Homework: 10%;
Exams: 50% total, broken up as follows: 15% for each mid-term and 20% for the final and the following scale:

	$87 - 89.9 : B+$	$77 - 79.9 : C+$	$67 - 69.9 : D+$	below 60 : F
$93 - 100 : A$	$83 - 86.9 : B$	$73 - 76.9 : C$	$63 - 66.9 : D$	
$90 - 92.9 : A-$	$80 - 82.9 : B-$	$70 - 72.9 : C-$	$60 - 62.9 : D-$	

Quizzes

We will have a take-home quiz every week, except for those weeks when we have an exam. Each quiz will be due at 3:00 two days after being handed out. (So, a quiz you get on Tuesday will be due at 3:00 on Thursday). I encourage you to work with other students, but you should write up your solutions in your own words.

Homework

You will have weekly homework assignments, which will be graded on completion, and will be handed in on Fridays. I will be assigning odd problems from the book, so I'll be most interested in the work you've done - if you just write down an answer, you won't receive any points. It is a good idea to work with other students in class.

Late and Make-up Policy for Homework and Quizzes

I will accept a late homework or quiz (but not both!) for full credit only once. However, you must turn this homework or quiz in within two class days of the due date. I will accept a second late homework or quiz (but not both!) for half credit only once. Again, this homework or quiz must be turned in within two class days of the due date. After that, I will not accept any late work. In addition, you may be excused from a quiz or homework if you have proof of a compelling reason.

Exams

There will be three exams: two mid-terms and a final. The first mid-term will be on April 22, the second mid-term will be May 13 and the Final Exam will be on June 4. The Final Exam will be cumulative, and **CANNOT** be taken early! **DO NOT** plan on taking your final early. If you miss an exam, you can take a make-up, but only if you have proof of a compelling reason for having missed the exam. As an example: if you are sick, I will need a doctor's note. In addition, you must notify me before (if possible) or within 24 hours after an exam to get a make-up. I will not give make-ups for circumstances you know about ahead of time!

Expectation for Quizzes and Exams

Your quizzes and exams should be written up neatly and legibly, using complete sentences where appropriate. (For example, I don't expect you to write $(a + b)^2 = a^2 + 2ab + b^2$ using complete sentences!) In addition, you should always try and describe what you are doing. For example, if you want to show a series converges using the ratio test, you should write "This series converges by the ratio test, because...[mathematical formulas here]".

We have a great deal of material to cover in a quarter. As a result, the pace of the class will be very fast, and it may not always be possible to answer every question in class. If you have a question that we weren't able to get to in class, please come by office hours or email me to set up an appointment if you can't make office hours.

2   Important Dates

March 31 - Last Day for Add/Drop
April 22 - first mid-term exam
May 13 - second mid-term exam
May 9 - uncontested withdrawal deadline
June 4 - final exam

3   Legalese/Fine Print

Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Disability Support Services Office as soon as possible so we can discuss how the approved adjustments will be implemented in this class. Students without this form should contact the Disability Support Services Office, Bouillon 205 or dssrecept@cwu.edu or 963-2171.