

multivariable calculus
210 bouillon, mtwrf, 8:00 - 8:50 a.m.

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office hours: 9:00 – 9:50 mtwrf, or whenever my office door is open (although 8:00 – 9:00 and 11:00 – 2:30 will usually be a bad time). of course, if none of these times will work for you, please feel free to make an appointment.

school closure: phone 963-2345 for messages if CWU closure after 6:45 A.M.

textbook: Thomas' Calculus, Early Transcendentals, 11th edition, by Thomas, et al..

calculator: a graphing calculator is required for this course. The TI-83, TI-83+, and TI-84 are recommended. the TI-89 and TI-93 are not recommended, although usable. If you are not certain if your calculator will suffice, ask me.

final exam: thursday, march 13, 8:00 – 10:00

course goals: upon successful completion of this course, the student will be well-versed and proficient in the following areas and techniques:

- Compute partial sums;
- Identify a geometric series and, if it converges, compute its sum;
- Apply various tests for convergence (integral, comparison, ratio);
- Determine the interval of convergence for a power series;
- Find the Taylor Polynomial of degree n and the Taylor Series representation for a function;
- Perform algebraic computations involving vectors including the following: magnitude, unit vector, dot product, cross product, and vector projections.
- Utilize the Dot /Cross Product to answer question involving orthogonality, compute work, find equations of plane, compute areas and volumes;
- Describe and recognize graphs of functions of two variables;
- Compute partial derivatives, differentials, gradients, and directional derivatives;
- Find equations of tangent planes;
- Find and classify extrema.

course conduct: the textbook is required and daily attendance is expected. homework assignments will be announced in class. the use of a graphing calculator is expected during class, on homework, on quizzes and on exams. all exams will be announced in advance. quizzes may or may not be announced in advance.

grading: grades will be determined by the following:

- a. two 100-point exams. see reverse for approximate dates
- b. several equally weighted quizzes which will be, in total, worth 75 points. The lowest quiz score will not be considered.
- c. a comprehensive 100-point final exam.

note: no (this means **NO! NO! NO! NO! NO! NO! NO! NO! NO!**) makeup quizzes will be given and neither will any be given in advance. arrangements must be made **prior** to an exam that will be missed.

grades can be roughly predicted with the following scale:

	100 - 93% = A	92.9 - 90% = A-
89.9 - 87% = B+	86.9 - 83% = B	82.9 - 80% = B-
79.9 - 77% = C+	76.9 - 73% = C	72.9 - 70% = C-
69.9 - 67% = D+	66.9 - 63% = D	62.9 - 60% = D-
	59.9 - 0% = F	

lastly: 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 meet to discuss how the approved adjustments will be implemented in this class. Students with disabilities without this form should contact the Disability Support Services Office, Bouillon 205 or dssrecept@cwu.edu or 963-2171 immediately

math 272, winter term 2008

mtwrf 8:00 - 8:50 a.m. 210 bouillon

monday	tuesday	wednesday	thursday	friday	topics covered
	1-Jan	2-Jan	3-Jan Start!	4-Jan Change	11.1
7-Jan of	8-Jan Schedule	9-Jan Period	10-Jan	11-Jan	11.2, 11.3, 11.4
14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	11.5, 11.6, 11.7
21-Jan MLK Jr. Day	22-Jan	23-Jan	24-Jan	25-Jan	11.8, 11.9
28-Jan	29-Jan	30-Jan	31-Jan	1-Feb	11.10, exam 1, 12.1
4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	12.2, 12.3, 12.4
11-Feb	12-Feb	13-Feb	14-Feb	15-Feb Uncontested Withdrawn	12.5, 14.1, 14.2
18-Feb Pres Day	19-Feb	20-Feb	21-Feb	22-Feb	14.3, 14.4, 14.5
25-Feb	26-Feb	27-Feb	28-Feb	29-Feb	14.6, 14.7, exam 2
3-Mar	4-Mar	5-Mar	6-Mar	7-Mar Last Day!!!	catch-up & review
10-Mar Study Day	11-Mar	12-Mar	13-Mar	14-Mar	final exam!

note: this is only a tentative course schedule and may change at any time for any number of possible reasons