MATH 273 Multivariable Calculus II
Dr. Boersma
Spring 2011

Goals: We will continue the study of multivariable calculus. In particular we will investigate double and triple integration in different coordinate systems, line and surface integrals, and the major theorems of vector calculus. We will cover (for the most part) chapters 15 and 16 from our textbook.

Office: Bouillon 107E, phone: 963-1395, email boersmas@cwu.edu. Office hours will be announced in class shortly. You may of course drop by anytime. If I'm not busy I'll be glad to talk with you.

Materials

1. **Text:** *Thomas' Calculus: Early Transcendentals*, by Weir, Hass, and Giordano.
2. TI-83/84 Graphing Calculator [*Optional.*]

Your Grade: Your final grade in this course will depend on three fifty-minute exams, various collected homework assignments, and a final exam.

Exams   Three fifty-minute exams will be given in class (300 pts total), thus making attendance <u>mandatory</u> on these dates. Make-up exams will only be given in <u>extreme</u> cases. If you anticipate a conflict, please see me at least one week **before** the date of the exam. The final exam (125 pts) is scheduled for Tuesday June 7 , 8:00 – 10:00 a.m. This time is scheduled by the registrar's office and cannot be changed!

Collected
 Homework   I will periodically assign problems to be handed in and graded. Sometimes these problems will be taken directly from our textbook and other times you may find them a bit more challenging then the textbook problems. In either case, I will be looking for neat, clear, and concise solutions containing complete and eloquent explanations. These homework assignments are an integral part of your course grade and give you the opportunity to show me your mastery of the subject in a non-testing environment. It will be made very clear in class when an assignment is to be handed in to be graded. Pay close attention to the due date! Late homework may not be accepted and will not receive full credit.

Other
 Homework   There will be **daily** homework assignments from the textbook. It is **your responsibility** to keep up with these assignments. Although most of these problems will not be collected or graded, they will be the basis for all of the exams in the course. Keep up. Do well on these problems and you should do well in the course! If you find yourself struggling with these daily homework assignments, please come by and talk to me.

Attendance   I will assume that everyone attends every class meeting. If you happen to miss a day, be advised that you are still responsible for any assignments that were given or turned in. Feel free to come by my office to discuss the day's activities that you may have missed.

Final Grades: As mentioned in part above, your final grade will depend on

Collected Homework	100	pts.
Three in-class exams (100 pts each)	300	pts.
Final Exam	125	pts.
TOTAL	**525 pts.**	

While I reserve the right to "curve" final grades as I deem appropriate, your grade will be no lower than:

A :525– 485	C+: 416– 401
A–: 484– 469	C: 400– 380
B+:468– 454	C–: 379– 364
B :453– 433	D+: 363– 349
B–: 432– 417	D : 348– 328
	D– : 327– 312

Students who have special needs or disabilities that may affect their ability to access information or material presented in this course are encouraged to contact me or Robert Harden, ADA Compliance Officer and Director, ADA Affairs and Student Assistance on campus at 509-663-2171 for additional disability-related educational accommodations.

DATES TO REMEMBER

Exam 1: April 19
Exam 2: May 6
Exam 3: May 20