

**MATH 211.01 - CALCULUS II
FALL 2009**

- Instructor:** Dr. Antonia Cardwell
- Office:** 206B Wickersham
- Phone:** x3479 (You can leave a message on my voice mail if I'm not in, but e-mail is better.)
- E-mail:** Antonia.Cardwell@millersville.edu
- Webpage:** <http://www.millersville.edu/~cardwell/fall09/211-01/211-01.html>
- Lecture Hours:** 8:00 - 8:50 MTRF, 201 Wickersham Hall
- Office Hours:** 10:00 - 11:00am MWF, 9:00 - 10:00 TR
If the above times are inconvenient, see me after class and we'll make an appointment. I am also around at other times, so feel free to drop in.
- Text:** *Calculus* (3rd edition) by Robert Smith and Roland Minton
We will cover the following sections in the text: 5.1 - 5.4, 5.6, 6.2 - 6.4, 6.6, 8.1 - 8.8, 9.1 - 9.5. If you miss class please contact me or a classmate, or check the webpage, as soon as possible to find out what you missed. Note: We will be starting with section 6.2.
You are required to have access to a graphing calculator; it will be needed for some of the problems on the tests and the homework. The department supports the TI 82, 83, 84, 85 and 86 graphing calculators. Please note that you cannot share a calculator with someone else during an exam. You may not use a calculator with symbolic mathematics capabilities (such as the TI-89 or TI-92) during an exam. If you have any questions about whether a calculator is acceptable, please ask.
- Description:** Math 211 is a 4-credit course in calculus. It is followed by Math 311. The prerequisite for this course is a C- or better in Math 161, or Math Placement. This course is appropriate for math and science majors; please check the requirements for your major if you need more information.

Note: Your first-term calculus course should have covered the derivatives of trig functions, logs, and exponentials, and integration by substitution. If you have not learned these things, you'll probably be in trouble in Math 211.
In this course you will: learn techniques of integration and how to decide which one to use; apply integration to compute areas, volumes and lengths; learn about convergence and divergence of numerical series and power series; apply numerical series and power series to approximation problems, and learn to estimate the errors in the approximations; learn the calculus of parametrized curves in two dimensions; and learn about the polar coordinate system, and apply the methods of calculus to compute slopes and areas in polar coordinates.
- Attendance:** Attendance is not compulsory but is *highly* recommended (and you lose points if you miss graded work).
- Grading:** Your grade will be calculated based on the following work:
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|---|------------|
| 3 in-class exams (100 points each): | 300 |
| Final exam: | 150 |
| Weekly quizzes (5 points each): | 50 |
| Homework sets (4 sets worth 10-15 points each): | 50 |
| Total points: | <u>550</u> |

Homework: Homework will be assigned daily and is an essential part of the course. I will specify which of the problems I would like you to hand in to be graded.

Exams: The final exam for this section will be held on Thursday, December 17th, 2009, from 2:45pm - 4:45pm. You will need a *documented* excuse to take a test at any time other than the scheduled time. If possible, contact me ahead of time so that alternative arrangements can be made. Tests will not be rescheduled to accommodate vacation travel - be sure to make your travel arrangements so that they do not conflict with exams, class times or deadlines. For homework that is handed in after the specified due date, one point will be deducted for each class date that the homework is late, unless a valid excuse is given. You may hand in your homework early.

Grades: To calculate your grade, I will add up the points that you have accumulated from tests, quizzes, and

Percentage Range	Grade
93.0 - 100.0	A
90.0 - 92.9	A-
87.0 - 89.9	B+
83.0 - 86.9	B
80.0 - 82.9	B-
77.0 - 79.9	C+
73.0 - 76.9	C
70.0 - 72.9	C-
67.0 - 69.9	D+
63.0 - 66.9	D
60.0 - 62.9	D-
0 - 59.9	F

Academic Honesty/Integrity: The University's policies regarding academic honesty can be found at <http://muweb.millersville.edu/~govern/sect3/acaddis.html>. Students should observe these policies as I will enforce them.

Special Accommodations: It is University policy to provide reasonable accommodations to students with disabilities. Please contact the Learning Services Office, 348 Lyle Hall, 717-872-3178, to discuss accommodation needs.

Mathematics Assistance Center: There is a Mathematics Assistance Center (MAC), staffed by our math majors, that is located in 100 Wickersham, and is open beginning with the second week of class. You might also find it helpful to form study groups to help each other with the homework. Space is allocated on a bulletin board at the MAC for students to place "study partner wanted" ads.