Ma 122 Calculus II (Fall 2012)

Time and Place. M,T,Th,F 11:00-12:00, E380

Instructor. Dr. Gabriela Sanchis, 384 G Esbenshade Hall, Office Phone: 361-1339

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Office Hours. T, Th: 9:00-10:00 a.m. and 1:30-2:30 p.m.; W: 9:30-10:30 p.m.; and by appointment.

Textbook. Calculus (7th Edition) by James Stewart

Prerequisites. Ma 121 (Calculus 1)

Learning Outcomes.
- Students will be able to use calculus techniques to compute areas between curves, volumes and surfaces of revolution, and arc lengths.
- Students will be able to compute integrals of complicated functions.
- Students will be able to use calculus techniques to analyze curves described by parametric equations or polar coordinates.
- Students will be able to apply concepts of convergence of infinite sequences and series.
- Students will be able to generate power series representations of functions.
- Students will gain an appreciation for the significance of the calculus in the history of scientific thought.

Attendance. You are expected to attend all classes. Excessive amounts of absenteeism may result in a lower grade. If you do miss a class, it is your responsibility to obtain from a classmate any notes, assignments, handouts, or anything else you may have missed.

Calculator. Occasionally, a graphing calculator will be helpful to have in class. No electronic devices of any kind (including calculators) will be allowed on exams.

Homework. We will be using the online homework delivery system WebWorK. You can access WebWorK from the Blackboard web site (or point your browser to `https://courses.webwork.maa.org/webwork2/ElizabethtownC-MA122/`). To log in, use your network user id for your username, and your student id number for your password. WebWork will give you instant feedback on each problem, and if you get a problem wrong you can try again. This will allow you to find out what you did wrong and hopefully to understand the topic of the question better. Homework will be discussed at the beginning of each class. If all your questions are not addressed during this time, do not hesitate to seek additional help. The following help options are available:

- Office hours - These are listed at the beginning of the syllabus.
- Student tutors are available Sunday through Thursday evenings in Esbenshade 368 (times will be posted at the entrance of the room as well as on the web at `http://users.etown.edu/d/doytchinovb/labs/`)
- Learning Services with a private tutor.

Exams. There will be four examinations prior to the final exam. These are scheduled for Tuesdays September 18 and October 9, Friday November 2, and Wednesday November 21. The comprehensive final examination is scheduled for Thursday December 13, 11 a.m. to 2 p.m.

Makeup Exams. Exams may not be made up except for absolutely unavoidable reasons. If you miss an exam for an acceptable unavoidable reason, then a make-up may be given. It is the student's responsibility to make arrangements for allowable make-ups with the instructor prior to the evening of the originally scheduled exam. If a student misses a quiz or an exam without talking to the instructor ahead of time or shortly afterwards, he/she will receive a grade of 0 for that exam. Make-ups will cover the same material but will be different from the originally given exam.

Academic Integrity. All work must be one's own and must comply with the Standards of Academic Integrity defined in the Elizabethtown College Catalog (see `http://catalog.etown.edu/` and then click on **Academic Policies** in the menu on the left, and then on **Academic Judicial System**). More specifically, you may (and are encouraged to) help each other on the WebWork homework assignments, but you must type and submit your own work. No collaboration on exams is allowed.

Grading. 94-100 A; 90-93 A-; 87-89 B+; 83-86 B; 80-82 B-; 77-79 C+; 73-76 C; 70-72 C-; 67-69 D+; 63-66 D; 60-62 D-; below 60 F

Course grades will be calculated according to the following weighting:

WebWorK:	20%
In-Class Exams:	55% (10% for the lowest of the four exams, 15% each of the other three)
Final Exam:	25%

Disability. Elizabethtown College welcomes otherwise qualified students with disabilities to participate in all of its courses, programs, and activities. If you have a documented disability and require accommodations to access course material, activities, or requirements, you must:

(1) Contact the Director of Disability Services, Lynne Davies, in the Center for Student Success, BSC 228, by phone (361-1227) or email daviesl@etown.edu.

(2) Meet with me, the instructor, within two weeks of receiving a copy of the accommodation letter from Disability Services to discuss your accommodation needs and their implementation.

Tentative Schedule for Ma 122 (Fall 2012)

Monday	Tuesday	Wednesday	Thursday	Friday
27-Aug I.R.	28-Aug 6.1	29-Aug	30-Aug 6.2	31-Aug 6.2, 6.3
03-Sep Labor Day	04-Sep 6.3 Thursday Schedule	05-Sep	06-Sep 6.5	7-Sep 7.1
10-Sep 7.1, 7.2	11-Sep 7.2	12-Sep	13-Sep 7.3	14-Sep 7.3
17-Sep Review	18-Sep Exam 1	19-Sep	20-Sep 7.4	21-Sep 7.4
24-Sep 7.5	25-Sep 7.6	26-Sep	27-Sep 7.7	28-Oct 7.8
01-Oct 7.8	02-Oct 8.1, 8.2	03-Oct	04-Oct 9.1, 9.2	05-Oct 9.3
08-Oct Review	09-Oct Exam 2	10-Oct	11-Oct Fall Break	12-Oct
15-Oct 9.4	16-Oct 10.1	17-Oct	18-Oct 10.2	19-Oct 10.2
22-Oct 10.3	23-Oct 10.4	24-Oct	25-Oct 10.4	26-Oct 10.5
29-Oct 10.5	30-Oct 11.1	31-Oct	01-Nov Review	02-Nov Exam 3
05-Nov 11.2	06-Nov 11.2	07-Nov	08-Nov 11.3	09-Nov 11.4
12-Nov 11.4	13-Nov 1'.5	14-Nov	15-Nov 11.6	16-Nov 11.6
19-Nov 11.7	20-Nov Review	21-Nov Exam 4 Friday schedule	25-Nov Thanksgiving Break	26-Nov
26-Nov 11.8	27-Nov 11.8	28-Nov	29-Nov 11.9	30-Nov 11.9
03-Dec 11.10	04-Dec 11.10	05-Dec	06-Dec 11.11	07-Dec Review Classes End
10-Dec	11-Dec	12-Dec	13-Dec Final Exam 11 a.m. to 2 p.m.	14-Dec