

MA 122 CALCULUS II (SPRING 2013)

Time and Place. M,T,Th,F 11:00-12:00 (Section B) and M,T,Th,F 12:30 to 1:30 (Section A); both in E380

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

Email. sanchisgr@etown.edu

Office Hours. M: 2-3:30 p.m.; W: 9:30-11:00 a.m.; Th: 3:30-4:30 p.m; F: 2-4 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.

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://courses1.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 Tuesday February 5, Friday March 1, Thursday April 4, and Thursday April 25. The comprehensive final examination is scheduled for either Tuesday May 7 (Section B) or Thursday May 9 (Section A), 2:30 p.m. to 5:30 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 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, services, 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) Make an appointment to meet with me, the instructor, during my office hours to discuss the academic accommodations specified by the office of Disability Services. Please make this appointment as early as possible so we have ample time to make the necessary accommodations and adjustments.

TENTATIVE SCHEDULE FOR MA 122 (SPRING 2013)

Monday	Tuesday	Wednesday	Thursday	Friday
14-Jan I.R.	15-Jan 6.1	16-Jan	17-Jan 6.2	18-Jan 6.2, 6.3
21-Jan MLK	22-Jan 6.3	23-Jan	24-Jan 6.5	25-Jan 7.1
28-Jan 7.1, 7.2	29-Jan 7.2	30-Jan	31-Jan 7.3	1-Feb 7.3
4-Feb Review	5-Feb EXAM 1	6-Feb	7-Feb 7.4	8-Feb 7.4
11-Feb 7.5	12-Feb 7.6	13-Feb	14-Feb 7.7	15-Feb 7.8
18-Feb 7.8	19-Feb 8.1, 8.2	20-Feb	21-Feb 9.1, 9.2	22-Feb 9.3
25-Feb 10.1	26-Feb 10.1	27-Feb	28-Feb Review	1-Mar EXAM 2
4-Mar	5-Mar	6-Mar Spring Break	7-Mar	8-Mar
11-Mar 10.2	12-Mar 10.2	13-Mar	14-Mar 10.3	15-Mar 10.4
18-Mar 10.4	19-Mar 10.5	20-Mar	21-Mar 10.5	22-Mar 11.1
25-Mar 11.2	26-Mar 11.2	27-Mar	28-Mar Monday Schedule 11.3	29-Mar Easter Break
1-Apr Easter Break	2-Apr Review	3-Apr	4-Apr EXAM 3	5-Apr 11.4
8-Apr 11.4	9-Apr 11.5	10-Apr	11-Apr 11.6	12-Apr 11.6
15-Apr 11.7	16-Apr 11.8	17-Apr	18-Apr 11.9	19-Apr 11.9
22-Apr Review	23-Apr SCAD	24-Apr	25-Apr EXAM 4	26-Apr 11.10
29-Apr 11.10	30-Apr 11.11	1-May	2-May Review	3-May Review
6-May	7-May Ma 122B Final (2:30 to 5:30)	8-May	9-May Ma 122A Final (2:30 to 5:30)	10-May