

## MA 122 CALCULUS II (SPRING 2014)

**Time and Place.** Section A: M,T,Th,F 8-9 a.m., E270      Section B: M,T,Th,F 11a.m. -12 p.m., E380

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

**Email.** sanchisgr@etown.edu

**Office Hours.** M: 9:30–10:30, 1-2; W: 9:30-11:00; Th: 3:00-4:30; 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, work, 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 4, Fridays February 28 and March 28, and Thursday April 24. The comprehensive final examination is scheduled for Tuesday May 6, 7:30 - 10:30 a.m. (Section A) or 11 a.m. - 2 p.m. (Section B).

**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 would like to request accommodations in order to access course material, activities, or requirements, please contact the Director of Disability Services, Lynne Davies, by phone (361-1227) or e-mail [daviesl@etown.edu](mailto:daviesl@etown.edu). If your documentation meets the colleges documentation guidelines, you will be given a letter from Disability Services for each of your professors. Students experiencing certain documented temporary conditions, such as post-concussive symptoms, may also qualify for temporary academic accommodations and adjustments. As early as possible in the semester, set up an appointment to meet with me, the instructor, to discuss the academic adjustments specified in your accommodations letter as they pertain to my class.

TENTATIVE SCHEDULE FOR MA 122 (SPRING 2014)

Monday	Tuesday	Wednesday	Thursday	Friday
13-Jan I.R.	14-Jan 6.1	15-Jan	16-Jan 6.2	17-Jan 6.2, 6.3
20-Jan MLK	21-Jan 6.3	22-Jan	23-Jan 6.4	24-Jan 6.5
27-Jan 8.1, 8.2	28-Jan 8.3	29-Jan	30-Jan 7.1	31-Jan 7.1
3-Feb Review	4-Feb <b>EXAM 1</b>	5-Feb	6-Feb 7.2	7-Feb 7.2,7.3
10-Feb 7.3	11-Feb 7.4	12-Feb	13-Feb 7.4	14-Feb 7.5
17-Feb 7.7	18-Feb 7.8	19-Feb	20-Feb 7.8	21-Feb 9.1, 9.2
24-Feb 9.3	25-Feb 9.4	26-Feb	27-Feb Review	28-Feb <b>EXAM 2</b>
3-Mar	4-Mar	5-Mar Spring Break	6-Mar	7-Mar
10-Mar 11.1	11-Mar 11.1	12-Mar	13-Mar 11.2	14-Mar 11.2
17-Mar 11.3	18-Mar 11.4	19-Mar	20-Mar 11.4	21-Mar 11.5
24-Mar 11.6	25-Mar 11.7	26-Mar	27-Mar Review	28-Mar <b>EXAM 3</b>
31-Mar 11.8	1-Apr 11.8	2-Apr	3-Apr 11.9	4-Apr 11.9
7-Apr 11.10	8-Apr 11.11	9-Apr	10-Apr 10.1	11-Apr 10.2
14-Apr 10.2	15-Apr SCAD	16-Apr	17-Apr 10.3 Monday Schedule	18-Apr Easter Break
21-Apr Easter Break	22-Apr Review	23-Apr	24-Apr <b>EXAM 4</b>	25-Apr 10.4
28-Apr 10.4	29-Apr 10.5	30-Apr	1-May 10.5	2-May Review
5-May	6-May <b>FINAL EXAM</b>	7-May	8-May	9-May