

MA 121 CALCULUS I (SPRING 2011)

Time and Place. M,T,Th,F 11:00-12:00, E187

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

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Office Hours. W: 9:30 - 10:50 a.m.; M, T, Th: 1:00-2:30; ; and by appointment.

Textbook. Calculus (Sixth Edition) by James Stewart

Prerequisites. Competence in algebra and trigonometry

Learning Outcomes. By the end of the course students will be able to understand and apply the basic concepts of the differential and integral calculus. In particular students will

- Become proficient in calculus techniques such as computing limits, derivatives, and simple integrals.
- Use inductive or deductive reasoning to formulate and evaluate arguments.
- Use calculus techniques to model real-world phenomena.
- Use calculus effectively in problem-solving strategies.

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.

Homework. We will be using the online homework delivery system WebWork. You can access WebWork from the Blackboard web site (<http://blackboard9.etown.edu>) or directly by going to <https://courses.webwork.maa.org/webwork2/etown-ma121>. 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.

Calculator. A graphing calculator is required and should be brought to class each day and to exams. Class demonstrations will be done with the TI Voyage 200 and/or the TI84.

Exams. There will be four examinations prior to the final exam. These are scheduled for Tuesday February 8, Friday March 4, Friday April 1, and Thursday April 28. The comprehensive final examination is scheduled for Tuesday, May 10, 11:00 a.m. to 2:00 p.m. Each exam will consist of two parts. You will be allowed to use a calculator to complete Part I. No calculator of any kind will be allowed on Part II.

Grading. Your final grade will be calculated in the following way:

15% of the grade comes from the WebWork assignments,
20% of the grade comes from the highest of the four exams,
30% of the grade comes from the second and third highest of the four exams (15% each),
10% of the grade comes from the lowest of the four exams,
25% of the grade come from the Final Exam.

Course grades will be calculated according to the following weighting:

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

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.

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 121 (SPRING 2011)

Monday	Tuesday	Wednesday	Thursday	Friday
17-Jan MLK Day - no classes	18-Jan Appendix B	19-Jan	20-Jan Appendices C & D	21-Jan Appendix D
24-Jan 1.1	25-Jan 1.2	26-Jan	27-Jan 1.3	28-Jan 1.4
31-Jan 2.1	01-Feb 2.2	02-Feb	03-Feb 2.3	04-Feb 2.5
07-Feb Review	08-Feb Exam 1	09-Feb	10-Feb 3.1	11-Feb 3.2
14-Feb 3.3	15-Feb 3.4	16-Feb	17-Feb 3.5	18-Feb 3.5
21-Feb 3.6	22-Feb 3.6	23-Feb	24-Feb 3.7	25-Feb 3.8
28-Feb 3.8	01-Mar 3.9	02-Mar	03-Mar Review	04-Mar Exam 2
07-Mar	08-Mar	09-Mar	10-Mar	11-Mar
Spring Break				
14-Mar 4.1	15-Mar 4.2	16-Mar	17-Mar 4.3	18-Mar 4.3
21-Mar 4.4	22-Mar 4.5	23-Mar	24-Mar 4.7	25-Mar 4.7
28-Mar 4.8	29-Mar 4.9	30-Mar	31-Mar Review	01-Apr Exam 3
04-Apr Appendix E, 5.1	05-Apr 5.1	06-Apr	07-Apr 5.2	08-Apr 5.3
11-Apr 5.3	12-Apr 5.4	13-Apr	14-Apr 5.5	15-Apr 5.5
18-Apr 6.1	19-Apr Scholarship and Creative Arts Day no classes	20-Apr	21-Apr Monday schedule 6.1	22-Apr Good Friday - No classes
25-Apr Easter Monday - no classes	26-Apr Review	27-Apr	28-Apr Exam 4	29-Apr 6.2
02-May 62., 6.3	03-May 6.3	04-May	05-May 6.5	06-May Review