GENERAL INFORMATION

Instructor: Maria Belk (mbelk@bard.edu)

Office: Academic Resources Center, Stone Row basement

Course Webpage: http://math.bard.edu/mbelk/math142

Office Hours: Mon. 4:30–6pm; Tues. and Thur. 2:30–3:30pm; Thur. 6:30–8:30pm


Calculator: You are allowed to use a standard graphing or scientific calculator during exams, as long as it is not designed to do symbolic calculus. Calculators that are acceptable for use during AP calculus exams are allowed in this class. For example, you are allowed to use the TI-85 or TI-89, but you are not allowed to use the TI-92.

COURSE DESCRIPTION

This course is a continuation of Math 141, Calculus I. You are assumed to be familiar with topics in an introductory single variable calculus course: basic properties of limits, derivatives, and integrals, including the Fundamental Theorem of Calculus. This course will strengthen your knowledge of basic calculus by exposing you to new fundamental ideas and applications. This course is divided into three roughly equal parts:

1. Techniques and Applications of Integration (Selected topics from Chapters 5 and 6)

2. Infinite Series (Selected topics from Chapter 8)

3. Differential Equations (Selected topics from Chapter 7)

There will be some additional materials posted to the course webpage to supplement the textbook, particularly during the infinite series topic.
GRades

Your grade will be determined by homework, Moodle quizzes, class participation, and three exams, according to the following table:

<table>
<thead>
<tr>
<th>Moodle Quizzes</th>
<th>Homework</th>
<th>Class Participation</th>
<th>Three Exams</th>
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</thead>
<tbody>
<tr>
<td>5%</td>
<td>30%</td>
<td>5%</td>
<td>60%</td>
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Moodle Quizzes: There will be weekly assignments on Moodle. These problems will be mostly computational. You can attempt the quizzes as many times as you like before the due date, so I recommend re-taking these quizzes until you get a perfect score.

Homework: There will be weekly homework assignments worth 30% of your grade. These assignments will consist of a few longer problems with an emphasis on the conceptual side of calculus. You are encouraged to work with other students on these assignments, but you should write your own solutions. Your solutions should be written clearly and in complete sentences, with enough detail that another student in the class would be able to follow your reasoning.

Class Participation: The class participation grade will be based on attendance, asking and answering questions during class, and group work completed during class.

Exams: There will be three in-class exams, each worth 20% of your grade. I will consider giving more weight to later exams if you show improvement.

Exam Dates

The exams last 2 hours and extend an hour beyond the usual meeting time. If this causes a conflict with another class, let me know by February 11 (last day of add/drop period). The exams are tentatively scheduled for the following dates.

<table>
<thead>
<tr>
<th>Exam 1</th>
<th>Exam 2</th>
<th>Exam 3</th>
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<tr>
<td>Friday, February 27 10:30am-12:30pm</td>
<td>Friday, April 17 10:30am-12:30pm</td>
<td>Monday, May 18 10:30am-12:30pm</td>
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</tbody>
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RESOURCES

• **Office Hours:** Mon. 4:30–6pm; Tues. and Thur. 2:30–3:30pm; Thur. 6:30–8:30pm
  My office hours exist so that I can help you better understand the material. Please use them! If you have questions, but cannot make the scheduled office hours, please send me an e-mail, and we can arrange a time to meet.

• **Math Study Room:** Sunday through Thursday, 8pm–10pm in RKC 111
  The Math Study Room is staffed by undergraduate math majors who are available to answer your questions. You can go to the study room to work on your homework, and then ask for help when you get stuck.

• **Tutors:** If you need additional help beyond my office hours and the Math Study Room, you can request to meet with a tutor. To request a tutor, talk to me after class, send me an e-mail, or stop by BARC.

ADA STATEMENT

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Amy Shein (ashein@bard.edu) to determine if you may be eligible.