

MA 123 Calculus I

Fall 2017

This course is the initial course in BU's traditional sequence of three calculus courses. We discuss the two fundamental concepts of calculus—differentiation and integration. Since both are based on the notion of a limit, we begin the course with a thorough discussion of limits. Next we consider differentiation and its applications, and the course concludes with a discussion of integration and its relationship to differentiation.

We cover most of the material in Chapters 2–5 of the text.

Textbook and on-line homework system: Detailed information about the textbook options is available at <http://math.bu.edu/people/paul/123/textbook.html>.

Instructional Format:

A Sections: These sections are the weekly **lectures** (3 hours/week). **All students must be registered for one of these sections.**

- A1: MWF 9:05–9:55 in STO B50
- A2: TR 2–3:15 in STO B50
- A3: MWF 12:20–1:10 in STO B50
- A4: MWF 1:25–2:15 in STO B50

When you register for an A section, **you are also reserving the Thursday evening 6:30–8:30 time slot.** Our two midterm exams will be administered at this time, and **you should not schedule anything that conflicts with this block.** The first midterm exam will be held on **October 26**, and our second midterm exam will be held on **November 30**. There will also be a **major quiz** administered in discussion section during the discussions that meet on **October 3–5**.

The final exam will be given during one of the evenings of the **final exam period (December 16–December 21)**. We are currently waiting for confirmation of our room request, so **YOU SHOULD NOT MAKE ANY travel arrangements until we have finalized the day and time.**

B Sections: These sections are the "studio-style" **discussion sections**. **All students must be registered for one of these sections.** Attendance in discussion section is mandatory.

- B1: T 9:30 am–10:45 am in EPC 209
- B2: T 11 am–12:15 pm in EPC 209
- B3: T 2 pm–3:15 pm in EPC 205
- B4: T 3:30 pm–4:45 pm in EPC 209
- B5: T 5 pm–6:15 pm in EPC 205
- B6: W 4:30 pm–5:45 pm in EPC 205
- B7: W 6:30 pm–7:45 pm in EPC 205
- B8: R 9:30 am–10:45 am in EPC 209
- B9: R 11 am–12:15 pm in EPC 207
- BA: R 2 pm–3:15 pm in EPC 205

Course web page: Most course materials and the on-line homework assignments will be available at www.mymathlab.com. Your course ID on MyMathLab is determined by your A section and is available from your lecturer.

course ID: lau27299

**online hw and materials
announcements
grades
"Learning Catalytics"**

Instructors:

- Professor David Rohrlich: Course coordinator and A3 lecturer
Email: rohrlich (at) bu.edu
Phone: 617-353-9545
Office hours: Tuesday 1:30–3 and Wednesday 10–11:30
Office: Room 247, 111 Cummington Mall
- Professor Glen Hall: A1 lecturer
Email: rockford (at) math.bu.edu
Office hours: Wednesday 1:30–2:30, Thursday 11–12, and Friday 11–12
Office: Room 267, 111 Cummington Mall
- Professor Jennifer Balakrishnan: A2 lecturer
Email: jbala (at) bu.edu
Office hours: Tuesday and Thursday 3:30–5:00
Office: Room 238, 111 Cummington Mall
- Professor Siu-Cheong Lau: A4 lecturer
Email: lau (at) math.bu.edu
Phone: 617-353-9543
Office hours: Wednesday and Friday 2:30–4:00
Office: Room 230, 111 Cummington Mall
- Professor Paul Blanchard: Discussion section coordinator
Email: paul (at) bu.edu

Grading: In addition to the two midterm exams and the final, there will be quizzes in discussion section.

Your grade for the course will be determined using the following percentages:

Each midterm exam	20%	two mid-terms;
Final exam	30%	one big quiz,
Quiz grade	15%	quiz every discussion,
Homework grade	10%	homework every week,
Lecturer's discretion	5%	one final

Getting help:**Quiz starts from next week**

- You are welcome and encouraged to visit the [office hours](#) for **any** of the lecturers for MA 123.
- The Mathematics and Statistics [Tutoring Room, MCS B24](#), is open approximately 30 hours each week from the second week of classes until classes end on December 12. The schedule is posted [here](#). This room is also a [good place to study between classes](#).
- A summary of the office hours and tutoring room hours of all of the MA 123 staff is available [here](#).
- Professor Wayne Snyder will supervise "Math Help Night" in the Cinema Room of Rich Hall on West Campus on Tuesdays, 7:30–10:30 pm. You do not need to live on West Campus to take advantage of this opportunity.
- The [Education Resource Center](#) offers free individual and group tutoring. The Center gets very busy as the end of the semester approaches, so it is good to make contact with them earlier rather than later.

Homework policies: 1st assignment due on 9/11 (Mon)

- Make sure that you run the **BROWSER CHECK** the first time that you use MyMathLab. You must also allow pop-up windows and session cookies, and Javascript must be enabled. See <http://www.pearsonmylabandmastering.com/northamerica/mymathlab/system-requirements/> for more details.
- The on-line homework is due **weekly**. MyMathLab clearly displays the day and time at which each assignment is due.
- Extensions on homework sets will not be granted for any reason (including a system freeze on the night the homework is due—start your homework early!). However, **your lowest two homework grades will be dropped at the end of the semester**.
- If you feel a question was graded incorrectly on MyMathLab, click on the "Report MML Grading Issue" menu item in MyMathLab and follow the instructions listed there.
- **All work submitted through MyMathLab must be your own**. Doing otherwise will be considered a violation of the academic conduct code (see below).

Discussion section policies:

- **Attendance at discussion sections is mandatory**.
- Each discussion section will be focused around a worksheet which reviews and goes more deeply into topics discussed during lecture.
- Even though you are expected to work in groups, we strongly suggest that you write up your own solutions to the questions on the worksheets on a piece of paper that is separate from the worksheet and that you revisit your solutions as you study for the midterms and finals.
- There will be a **quiz during every discussion section** (starting the second week of the semester) based on the worksheet and on the previous week's homework set.
- No make-up quizzes will be given except as required by the University's policy on religious observance (see below). However, **your lowest two quiz grades will be dropped at the end of the semester**.
- If you are unable to make your discussion section for any reason, you are welcome to attend a different discussion section during that week. However, **you will NOT be able to take a quiz in any discussion section except your own**.

Exam and quiz policies:

- **Calculators cannot be used during quizzes and exams**.
- When you finish a quiz or an exam, raise your hand but stay seated. Someone will come to your seat, pick up your paper and check your BU ID.

Make-up exams: We do not give make-up exams except in truly extraordinary circumstances. For example, if you are suffering from an illness that requires hospitalization, we will either adjust the grading scheme given above or administer a make-up exam. If you miss an exam to participate in a sporting event hosted by a club sport, you will receive a grade of zero. Note the reference below to the University's policy on religious observance.

If you think that you might miss an exam, contact the course coordinator, Professor Rohrich, in advance as soon as possible.

If permission to make up an exam is granted, please be aware that the make-up exam need not have the same format as the original exam, and it may be more difficult.

University Policy on Religious Observance: This course will adhere to the University's [policy on religious observance](#). Note that this policy states that students are required to inform instructors, in writing, of conflicts with the course schedule and requirements due to their religious observance as early as possible in the semester.

Course announcements: All general course announcements will be posted on the MyMathLab web sites. You are responsible for any information that is posted there.

Gradebooks: Your homework grades will be posted on the MyMathLab sites, and your exam and quiz grades will be posted on the Blackboard sites for this course. We double check the grades when we record them, but with so many students in this course, it is possible that some errors will be made when we record the grades. You should check your grades in a regular fashion, for example, once every two weeks, and if there is a mistake, show it to your TF or your lecturer at your next discussion section or lecture. You should keep all of your graded papers until the course grades have been determined. **No grades will be changed unless we can review your original papers.**

Academic conduct: Your work and conduct in this course are governed by the [Boston University Academic Conduct Code](#). This code is designed to promote high standards of academic honesty and integrity as well as fairness. It is your responsibility to know and follow the provisions of the code. In particular, all work that you submit in this course must be your original work. If you have a question about any aspect of academic conduct, please ask.

Standards of civilized behavior: The lectures and the discussion sections are times that are devoted to learning calculus, and activities that interfere with this process will not be tolerated. Although you may use your smart phones, tablets, or laptops to answer questions at the Learning Catalytics website during lecture, your use of these devices at other times during lecture and discussion section will be subject to the approval of your lecturer or discussion section leaders. Tweeting, texting, shopping online, and visiting Facebook are certainly not allowed.

Important dates: In addition to the exam dates mentioned above, you should know that the last day to withdraw from the course without a grade of W is October 10. The last day to withdraw from the course while receiving a grade of W is November 10.