MATH 136 Calculus II
General Information for Summer 2018 Semester

Meeting Times: Sec. C1 Lecture MTWTh 10:10am - 12:10pm TIL-226 (LIV)

SAS Core: This course fulfills both the Quantitative Information (QQ) and Mathematical or Formal Reasoning (QR) learning goals of the SAS Core Curriculum:

QQ: Formulate, evaluate, and communicate conclusions and inferences from quantitative information.

QR: Apply effective and efficient mathematical or other formal processes to reason and to solve problems.

Prerequisites: All students should have earned a passing grade in Math 135: Calculus I or the equivalent. It is your responsibility to make sure you are capable of succeeding in this course and that you have satisfied all prerequisites. In particular, if you have not taken and succeeded in calculus or a similar course either at Rutgers or in high school, I strongly discourage you from taking this course.

Important: Math 136 is not a CALC2 equivalent course. If you intend to take higher level courses that require CALC2, do not take Math 136; take Math 152 instead. For example, Math 136 will not serve as a prerequisite for Math 251. Many majors that require CALC2 (e.g., computer science) also explicitly require Math 152. This course (Math 136) is intended for students studying life science or social sciences, and the course is designed for students who do not intend to take further courses in calculus or differential equations.

Deadlines: All deadlines regarding dropping this course (with or without a grade of W) can be found here:

https://summersession.rutgers.edu/important-dates

Before adding or dropping a class, always speak to an academic adviser and double check all deadlines.


You must purchase the text with a WebAssign license. You will not be able to buy the license through WebAssign. It is strongly recommended that you buy the text-and-license bundle directly from the publisher here:

https://he.kendallhunt.com/product/calculus-special-edition-chapters-5-8-11-12-14-w-webassign

You have the option to buy a hard copy of the text plus the license ($84.99) or an e-copy of the text plus the license ($68.00). When you sign up for WebAssign, you will be prompted to enter a valid license number.

Lecturer: Joseph Guadagni (email: joseph.guadagni@rutgers.edu OR joseph.guadagni@gmail.com)

Office: Hill-215 (BUS) Office hours: TBA

Text: Phone number is on Sakai course site

Yes, you may text me with questions. I find that many students find that more convenient than office hours or email. I put my phone on “do not disturb” mode when I go to bed, so if you text too late you may not get a response until the next day. (General rule is that if you text after midnight, you will likely not get a response until the next day.) Same rules for email. Please identify yourself the first time you text me. Do not worry: I will not text you except in response to your questions. Questions by email are also welcome.
**TA’s:** There is no separate TA for this course during the summer sessions. I will be teaching both the lectures and the recitations.

**Web page:** All general course materials can be found on the Mathematics Department course page:

http://www.math.rutgers.edu/academics/undergraduate/courses

Navigate to “01:640:136 - Calculus II”.

Information specific to the course for this particular semester, e.g., syllabus, quiz solutions, and announcements, will be found on the respective Sakai course site. Note: You must access WebAssign through the Sakai course site. If you have never used Sakai before, you can sign in using your netID at

https://sakai.rutgers.edu/portal

You should then have access to all Sakai sites of those course for which you are enrolled.

**Format:** Each class meeting is designated as 1 of 3 possible types: Lecture, Recitation, or Exam.

Class meetings on lecture days will proceed as a traditional lecture during the fall and spring semesters would. Generally, multiple sections will be covered in the same meeting with a short break midway through the meeting.

Class meetings on recitation days will consist of three parts. The first part will proceed as a traditional recitation during the fall and spring semesters would. That is, practice problems based on the textbook exercises and covering the most recent lecture material will be done on the board. For the second part, all students will work in groups to complete similar practice problems. During this time, no work will be done on the board and the emphasis is on collaboration and doing practice problems yourself. I will be present only to offer hints and clarification and to check on and advance your progress. The third part of the recitation will consist of a 20-minute quiz based on the practice problems completed throughout the previous two parts of the recitation.

Class meetings on exam days will consist of two parts. The first part will consist of a brief review of the most recent lecture material. (You may consider the first part as an optional 40-minute office hours session.) The second part will consist of an 80-minute exam.

**Schedule:** A full schedule for all class meetings is found at the end of this document. To ease reading the schedule, lecture days have been highlighted in white, recitation/quiz days in green, exam days in red, and holidays (no classes) in black. This is a tentative schedule and subject to change at my discretion. I will announce any changes to quiz or exam dates in a reasonable amount of time.

Please note that the date and time of the final exam will almost certainly be updated. Updates to the syllabus and schedule, in particular, will be announced and available on Sakai.

**Assessment:** Your course grade consists of a total of 500 points, weighted by the following six categories: WebAssign (25), Quizzes (75), Midterm #1 (100), Midterm #2 (100), Final Exam (200). As grades are calculated, you may find them on Sakai.

**WebAssign:** You must buy a WebAssign code and you must access WebAssign directly through their website. WebAssign is an online service through which you will complete your homework. Problems are based on textbook questions and all students get different versions of these problems. Upcoming assignments and their due dates are indicated clearly in WebAssign. All assignments are due the day following the accompanying lecture. You have limited attempts per problem, so do not waste them. Your final WebAssign grade is based on whether you eventually get the correct answer; the number of attempts taken is irrelevant.
Late submissions will not be accepted. The “Extension Request” in WebAssign is reserved only for those students with truly compelling reasons for not completing their work on time. I am giving you fair warning now that almost no extensions will actually be granted. Neither procrastination nor forgetting a due date is a valid excuse, and all such requests will be denied.

Quizzes: All quizzes will be given in class on “recitation days”. There will be a total of 10 quizzes throughout the semester, and each quiz is graded out of 20 points. Your lowest quiz grade will be dropped. **There are no make-ups for quizzes except for medical emergency or religious observance. No exceptions.**

Midterms: The first exam will be held in class on Monday, June 18. The second exam will be held in class on Thursday, July 5. All exams are closed book. That means no formula sheets, no notes, no textbook, no calculator, no phones (or any other electronic device), etc. **Please note that it is unacceptable to miss an exam for anything less than a truly compelling and documented reason.** In particular, you will not be able to reschedule any exam because of travel arrangements.

Final exam: The final exam is cumulative, will last 3 hours, and the location and time will be announced at a later date. The final exam date and time is determined by the university and cannot be changed.

You cannot be excused from the final exam. There are only some very specific conditions under which you are allowed to reschedule the final exam (e.g., you have finals in 3 consecutive exam periods). In particular, you will not be excused from the final or allowed to reschedule because of travel arrangements.

Attendance: If you must miss class, it is still your responsibility to learn the lecture material. I strongly discourage anyone from missing any class. Problems done in lecture and recitation are great practice and have direct relevance to the exams, quizzes, and WebAssign. Absence from class is very detrimental to your success in this course.

Also note that the emphasis on recitation days is collaboration and doing problems yourself. **It is, therefore, imperative that you keep up with the class by completing the daily homework and reviewing the lecture material.** Do not mistake the recitation for a second or supplemental lecture; it is nothing of the sort. If you do not keep up with the work, you will not be able to actively or effectively participate during recitation.

Letter Grades: Your final letter grade will be determined by your course grade (percentage out of 500 points) and a letter grade conversion that I set for the class. In past semesters of teaching this course, I have tended to use the following cutoffs for grades:

- A (at least 90%)
- B (at least 78%)
- C (at least 66%)
- D (at least 60%)

The final distribution may have different cutoffs but they will only go down. In other words, these cutoffs are the harshest cutoffs possible and any changes to them will only help you. You can use these cutoffs to judge your own performance throughout the course.

Integrity: All students in the course are expected to be familiar with and abide by the academic integrity policy, which can be found at

http://academicintegrity.rutgers.edu/academic-integrity-at-rutgers

Violations of the policy are taken very seriously.
Accommodations: Full disability policies and procedures are indicated at

http://ods.rutgers.edu

Students with disabilities requesting accommodations must present a Letter of Accommodations to me as early in the term as possible. See

https://ods.rutgers.edu/my-accommodations/letter-of-accommodations

For students on the autism spectrum, Rutgers University has several services that offer support for social skills, academic skills, self-care, etc. through the College Support Program (CSP). More information can be found at

http://rhscaps.rutgers.edu/services/autism-spectrum-college-support-program/

Mental Health: College is a very stressful time for many of you, and not everyone has a good support system. Unfortunately, a lot of new students also often do not know the resources available to them. Many of you will also cope by self-medicating, usually with alcohol. If you are looking for support, you can check the many resources at

http://rhscaps.rutgers.edu/

Some of the services offered:

(a) For students concerned about their drinking or substance abuse (or that of a friend):
http://rhscaps.rutgers.edu/services/alcohol-and-other-drug-assistance-program-adap/

(b) For students seeking counseling services:
http://rhscaps.rutgers.edu/services/counseling/

If you are looking for emergency support, you can also call the National Suicide Prevention Lifeline at 800-273-TALK.

You can also feel free to come to me if you are having difficulty, and I can help you find the proper support. (Anything you tell me is kept in confidence.)

Please let someone know if you are in crisis.
FAQ: How can I reach you with questions?
The best way to get help is to see me in person during office hours. You do not need to make an appointment during regular office hours. Just show up during the allotted time any time that is convenient for you. If you cannot make office hours, you should email or text me with general questions. If you have a question about a specific WebAssign problem, simply click on “Ask Your Teacher” for that problem and send your question (you should explain your confusion and describe any work you have already done). This message goes directly to me, and I will be able to answer your question directly within WebAssign. I can also see your exact version of the problem, the correct answer, and your previous responses.

When is WebAssign due? Can I get an extension on WebAssign?
Each section in the textbook we cover in lecture has an accompanying assignment on WebAssign, which is due at the beginning of the next class meeting. (There may be rare exceptions.) These due dates are very clearly indicated within WebAssign. Since WebAssign should be used a study tool to keep up with the material and study for quizzes and exams, extensions will generally not be granted. If you would like to request an extension for a particular assignment, you should not email or text me directly, but rather use the built-in WebAssign feature “Request An Extension”. I am warning you now: the overwhelming majority of requests will be denied. You should have a compelling reason for the extension.

Is this class graded on a curve? What does that even mean?
Grading on a curve means that a fixed percentage of students taking the course get each letter grade. For instance, for a grading curve, it may be decided that the top 10% of students get A’s, the next top 15% get B+, and so on. (These are just example numbers.) Grading on a curve does not mean students get “extra points” for poor grades.

This class is not graded on a curve. I have set absolute achievement goals for each letter grade as described above. In principle, every single student could earn a grade of A if they all do well enough. Conversely, it is possible for every single student to earn a grade of F. If you earn at least 90% of the points in this course, you are guaranteed a grade of A. If you earn at least 78% of the points in this course, you are guaranteed a grade no worse than B. And so on.
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<thead>
<tr>
<th>Week 1</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
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<tbody>
<tr>
<td>May 28 - May 31</td>
<td>NO CLASSES</td>
<td>5.3</td>
<td>5.8</td>
<td>Review: 5.3, 5.4, 5.5, 5.8, 6.1</td>
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<tr>
<td>June 4 - June 7</td>
<td>MEMORIAL DAY</td>
<td>5.4</td>
<td>6.1</td>
<td>Recitation group work</td>
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<td>June 11 - June 14</td>
<td>NO CLASSES</td>
<td>5.5</td>
<td>Quiz 1: 5.3, 5.4, 5.5, 5.8, 6.1</td>
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<tr>
<td>Week 2</td>
<td>6.2</td>
<td>Review: 6.2</td>
<td>6.6</td>
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<td>Recitation group work</td>
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<td>Quiz 2: 6.2</td>
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<td>Quiz 3: 6.6</td>
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<td>Week 3</td>
<td>7.1</td>
<td>7.3</td>
<td>Review: 7.1, 7.2, 7.3, 7.4</td>
<td>5.6</td>
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<tr>
<td>June 11 - June 14</td>
<td>7.2</td>
<td>7.4</td>
<td>Recitation group work</td>
<td>7.6</td>
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<td>Quiz 4: 7.1, 7.2, 7.3, 7.4</td>
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<td>Week 4</td>
<td>Review: 5.6, 7.4</td>
<td>7.7</td>
<td>8.1 (part 1)</td>
<td>Review: 7.7, 8.1, 8.2</td>
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<td>June 18 - June 21</td>
<td>EXAM 1 (80 minutes)</td>
<td>8.1 (part 2)</td>
<td>8.2</td>
<td>Recitation group work</td>
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<td>Quiz 5: 7.7, 8.1, 8.2</td>
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<td>Week 5</td>
<td>8.3</td>
<td>Review: 8.3, 8.4</td>
<td>8.5</td>
<td>Review: 8.5, 8.6</td>
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<td>June 25 - June 28</td>
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<td>Recitation group work</td>
<td>8.6</td>
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<td>Quiz 6: 8.3, 8.4</td>
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<td>Quiz 7: 8.5, 8.6</td>
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<td>Week 6</td>
<td>8.7</td>
<td>Review: 8.7, 8.8</td>
<td>NO CLASSES</td>
<td>Review: convergence tests</td>
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<td>July 2 - July 5</td>
<td>8.8</td>
<td>Recitation group work</td>
<td>INDEPENDENCE DAY</td>
<td>EXAM 2 (80 minutes)</td>
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<td>Quiz 8: 8.7, 8.8</td>
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<td>Week 7</td>
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<td>Review: 11.1, 11.3, 11.7</td>
<td>11.8</td>
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<td>July 9 - July 12</td>
<td>11.3 (part 1)</td>
<td>Recitation group work</td>
<td>12.1 (part 1)</td>
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<td>11.7</td>
<td>Quiz 9: 11.1, 11.3, 11.7</td>
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<td>Week 8</td>
<td>Review: 11.8, 12.1, 12.2</td>
<td>Quiz 10: 11.8, 12.1, 12.2</td>
<td>Review for final exam</td>
<td>FINAL EXAM (180 minutes)</td>
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<td>July 16 - July 19</td>
<td>12.1 (part 2)</td>
<td>Recitation group work</td>
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