MATH 135: Calculus I

FALL 2020 Syllabus

Course Information
Math 135 provides an introduction to calculus, covering limits and continuity, the derivative and tangent lines, applications of the derivative, and basic integration. Math 135 is intended and required for many majors in the biological and social sciences.

Student Learning Goals
Your success in Math 135 is based on your demonstrated mastery of a set of precise learning goals. Each lecture topic above has an associated set of learning goals and textbook exercises. A full list of these learning goals and exercises can be found in the official list of homework exercises. Note that the online homework in MyLab is very strongly based on this official list, although neither is a strict subset of the other. You are strongly encouraged to work through the exercises in both the official list and in your MyLab assignments.

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.

Technology Requirements
All students in this course are required to have the following working technology:
• high-speed internet
• laptop or desktop computer
• webcam
• microphone

All quizzes and exams will be authenticated (proctored), and all students consent to have videos of themselves recorded as needed for authentication purposes. Please visit the Rutgers Student Tech Guide page for resources available to all students. If you do not have the appropriate technology for financial reasons, please email Dean of Students (deanofstudents at echo.rutgers.edu) for assistance. If you are facing other financial hardships, please visit the Office of Financial Aid.

Textbook

All students are automatically enrolled in the First Day Program, which adds a charge of $65 to the term bill to cover the required MyLab license, which includes access to a copy of the e-text. Students who want a physical copy of the textbook can purchase one directly from Pearson for an additional $40.

Note: Students may opt out of the First Day Program, but this is not recommended as the MyLab license is required to complete online assignments.
**Meeting Format & Times**

Instruction will be delivered remotely and synchronously in Canvas via Zoom Meetings.

<table>
<thead>
<tr>
<th>Lecture:</th>
<th>Lecture:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sections 40-42, MTh 8:40am-10:00am</td>
<td>Sections 43-45, MTh 10:20am-11:40am</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Recitations:</th>
<th>Recitations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 40, T 08:40am-10:00am</td>
<td>Section 43, F 10:20am-11:40am</td>
</tr>
<tr>
<td>Section 41, T 10:20am-11:40am</td>
<td>Section 44, F 12:00pm-1:20pm</td>
</tr>
<tr>
<td>Section 42, T 12:00pm-1:20pm</td>
<td>Section 45, F 1:40pm-3:00pm</td>
</tr>
</tbody>
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**Instructor Information**

**Lecturer:** Sheila Tabanli (Dr. T)

**Email:** sheila.tabanli@rutgers.edu

**Website:** [https://sites.rutgers.edu/sheila-tabanli/](https://sites.rutgers.edu/sheila-tabanli/)

**Office Hours:**

- Tuesdays 4:00pm – 5:00pm
- Wednesdays 3:00pm – 4:30pm
- Saturdays before Midterms 3:00pm – 4:30pm

**Grading Policy**

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>RU Ready Test (RURT)</td>
<td>5%</td>
</tr>
<tr>
<td>MyLab Homework</td>
<td>5%</td>
</tr>
<tr>
<td>Recitation Activities</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Midterm Exams</td>
<td>55%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
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**Determination of Final Grades**

Your final letter grade in the course is determined at the end of the semester by the procedure described in this document. The meanings of the letter grades in Math 135 are related to the probable success of the student in Math 136.

**Grades of A or B:** The student is well prepared for Math 136.

**Grade of C:** The student can probably succeed in Math 136, but they will have to work harder in Math 136 than they did in Math 135.

**Grade of D:** Although the student is allowed to take Math 136, the chance of success is quite small. In any case, the student should review the material from Math 135 before proceeding to Math 136.
Grade of F: The student has not shown satisfactory mastery of the material in Math 135. The student is not allowed to take any course which requires Math 135 as a prerequisite. These proficiency standards indicate how the Math Department converts numerical scores to letter grades. There is neither a predetermined proportion nor a quota of A's, B's, C's, or any other grade. For instance, if every Math 135 student demonstrates sufficient proficiency to be well-prepared for Math 136 at the end of the semester, then it is really true that every student will get A or B. In particular, Math 135 students are not competing with each other for grades. They are competing only with themselves to master the material as well as they possibly can. Letter grades are a reflection of the quality of work the individual student has produced.

Important: These meanings of the various letter grades also correspond to the proficiency standards for the various majors that require Math 135, such as business, economics, biological sciences, pharmacy, etc.

Assessments

RU Ready Test (RURT)
The RU Ready test supplements the online placement assessment to provide a much better measure of the students’ level of preparedness to succeed as they begin the semester. RURT consists of 25 multiple-choice questions. Students will have 50 minutes to answer the questions and to take care of preliminaries such as taking the honor pledge. These preliminaries will take about 5 minutes, leaving 45 for answering questions on the test. It will be given as a Canvas Quiz and proctored using ProctorTrack. You need to have with you your Rutgers photo ID card, or another official photo ID card; e.g., a driver's license. Use of calculators and other electronic devices will NOT be permitted during the exam. The cutoffs for each of the RU Ready tests will be announced via Canvas. Students who pass the RURT earn the full 5% of the grade. Students who fail the RURT earn 0% of the grade.

Students in Dr. T's lectures take the RURT Tuesday, Sept. 8 during an 8-11 p.m. window.
There will be an opportunity for a make-up for those with valid reasons for missing the originally scheduled test. Arrangements will be announced. Please see the RURT website for further information: https://www.math.rutgers.edu/academics/undergraduate/1549-ruready-test

MyLab Homework
See your Canvas course site for details on signing up for the online homework. All homework is done through MyLab Math, which is accessible via Canvas.

Recitation Activities
Each week you will be responsible for completing one or more learning activities based on the content covered in recitation. These activities may include some of the following:

- short quiz at the end of recitation
- submission of exam corrections
- submission of work to practice exercises
- completion of short quizzes based on required videos
- completion of short-term project (e.g., 2-minute video explaining one exercise)

There are 14 recitations during the semester, but only your top 12 activities will be counted.

Midterms
There are 6 scheduled midterm exams, on Mondays 9:40pm-11:00pm, every two weeks starting on September 21. Your lowest midterm grade will be dropped. Each exam is 50 minutes and will be taken via the Canvas All Sections site.
See a detailed, tentative midterm schedule below.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Textbook Sections</th>
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<tbody>
<tr>
<td>Midterm Exam #1</td>
<td>September 21</td>
<td>Ch. 1, App. B, 2.1, 2.2, 2.3</td>
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<tr>
<td>Midterm Exam #2</td>
<td>October 5</td>
<td>2.4, 2.5, 2.6</td>
</tr>
<tr>
<td>Midterm Exam #3</td>
<td>October 19</td>
<td>3.1, 3.2, 3.3, 3.4, 3.5, 3.7, 3.9</td>
</tr>
<tr>
<td>Midterm Exam #4</td>
<td>November 2</td>
<td>3.8, 3.11, 4.6</td>
</tr>
<tr>
<td>Midterm Exam #5</td>
<td>November 16</td>
<td>4.1, 4.7, 4.9</td>
</tr>
<tr>
<td>Midterm Exam #6</td>
<td>November 30</td>
<td>4.3, 4.4, 4.5</td>
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**Final Exam**

The final exam is a common exam for all sections and is cumulative. The final exam is tentatively scheduled for Tuesday, December 15, 4:00pm - 7:00pm.

**Calculator Policy**

You will be allowed a calculator on the quizzes and exams while we have remote instruction. However, both MyLab and Canvas can have a scientific calculator built into quizzes and exams if necessary, and so you will not need a calculator for this course.

**Assessment Policy**

By signing up for a course in the math department, a student consents to have videos of themselves recorded as needed for authentication purposes. We take seriously our obligation to students to provide a level playing field that does not disadvantage our many students of high integrity. Therefore, in all courses, there will be some form of video control of test environments. This type of online proctoring will require the use of a webcam and a mic. Students will also need, at those times, to be in an environment that affords them privacy, if only to avoid the recording of others who may not be aware of it. More information will be sent throughout the semester in Canvas.

**Attendance & Absence Policy**

Attending all lectures is essential for success in this course. It is the student's responsibility to keep up with the work and the homework assignments. Attendance is not factored into your final grade. To stay updated, especially if you are absent, please check your RU email, Canvas announcements and Dr. T’s website.

Students are expected to attend all classes; if you expect to miss one or two classes, please use the University absence reporting website to indicate the date and reason for your absence. An email is automatically sent to your instructor.

**Note:** Students who must miss an exam must notify their instructor as soon as possible. Makeups will be offered only in the case of a compelling reason. (Makeups will always be offered in the case of absence due to religious observance.)
Your Learning Experience

Prior to Class
- Review Chapter Content

During Class
- Actively Participate
- Take Notes
- Ask Questions

After Class
- Review Lecture & Recitation Notes
- Study and Solve Problems
- Meet your due dates
- Attend office hours/study groups

Fall 2020 Academic Calendar

<table>
<thead>
<tr>
<th>Event</th>
<th>2020-2021</th>
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</thead>
<tbody>
<tr>
<td>Fall Semester Begins</td>
<td>Tuesday, September 1</td>
</tr>
<tr>
<td>Labor Day/No Classes</td>
<td>Monday, September 7</td>
</tr>
<tr>
<td>Changes in Designation of Class Days</td>
<td>Monday Classes moves to Tuesday, September 8</td>
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<tr>
<td></td>
<td>Friday Classes moves to Wednesday, November 25</td>
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<tr>
<td>Thanksgiving Recess</td>
<td>Thursday, November 26 - Sunday, November 29</td>
</tr>
<tr>
<td>Regular Classes End</td>
<td>Thursday, December 10</td>
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<tr>
<td>Reading Days</td>
<td>Friday, December 11</td>
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<tr>
<td></td>
<td>Monday, December 14</td>
</tr>
<tr>
<td>Math 135 Fall Exams</td>
<td>Tuesday, December 15, 4:00pm - 7:00pm</td>
</tr>
</tbody>
</table>

Student Code of Conduct


Academic Integrity

All Rutgers students are expected to be familiar with and abide by [the academic integrity policy](https://ods.rutgers.edu/students/documentation-guidelines). Students are also expected to sign the Rutgers Honor Pledge on each major exam or assignment:

“On my honor, I have neither received nor given any unauthorized assistance on this examination (assignment, paper, quiz, etc.)."

Testing Services

Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: [https://ods.rutgers.edu/students/documentation-guidelines](https://ods.rutgers.edu/students/documentation-guidelines). If the documentation supports your request for reasonable accommodations, your campus’s disability services office will provide you with a Letter of Accommodations. Please share the letter of accommodations with your instructor and the course coordinator and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form ([https://webapps.rutgers.edu/student-ods/forms/registration](https://webapps.rutgers.edu/student-ods/forms/registration)).
Student-Wellness Services

All of these services are being provided remotely during Fall 2020.

- Counseling, ADAP, & Psychiatric Services (CAPS)
  (848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901
- Crisis Intervention
- Report a Concern
- Violence Prevention & Victim Assistance (VPVA)
  (848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901
- Disability Services
  (848) 445-6800 / 54 Joyce Kilmer Avenue, Piscataway NJ 08854