MATH 136: CALCULUS II
SUMMER 2020 SYLLABUS

Course Information

Prerequisite:
All students should have earned a passing grade in Math 135: Calculus I or the equivalent.

Course Purpose:
Math 136 is the second semester of the Math 135-136 sequence for students studying Life Sciences or Social Sciences. Math 136 is designed specifically for students who want a second semester of calculus for their technical background, but who do not intend to take further courses in Calculus or Differential Equations. Therefore, Math 136 offers a mixture of traditional Calculus II topics that students are likely to meet in scientific applications. Math 136 excludes many topics that are needed in a third semester calculus course such as Math 251. For this reason, Math 136 is not a CALC2 equivalent course. Math 136 will not serve as a prerequisite for Math 251 or any other course requiring a CALC2 prereq., except Math 250. If you plan to take higher level courses that require CALC2, take Math 152 instead.

SAS Core Curriculum Goals:
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.

Meeting Times:
5/26 – 7/17, Section C1, MTWTh 10:10am-12:10pm EDT in CANVAS

Important Dates:
All deadlines regarding dropping this course 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.

Instructor Information
Instructor: Sheila Tabanli (Dr. T)
Email: sheila.tabanli@rutgers.edu
Website: https://sites.rutgers.edu/sheila-tabanli/
Office Hours: Wednesdays & Fridays 2:30pm – 4:00pm, CANVAS

Remote Instruction Online Resources
All general course materials (lecture notes, synchronous instruction & live office hours via Canvas BBB, announcements, gradebook etc) can be found on the Canvas course site at https://canvas.rutgers.edu/. You must access Canvas with your NetID or with your RU email address.

Assessments will take place at https://www.pearson.com/mylab educational portal. You must register within Canvas to access the Canvas embedded MyMathLab course.

General information about the course can be found on the Mathematics Department course page: http://www.math.rutgers.edu/academics/undergraduate/courses under “01:640:136 - Calculus II”
Technology Requirements for Summer Courses in the Math Department

In response to the COVID-19 crisis, all in-person Summer courses at Rutgers have been transformed into remote instructions courses. This means that all instruction, student-teacher interaction, and assessment of student performance will take place online. The math courses offered this summer will be run in a synchronous manner; the lectures and office hours will take place through meeting tools such as BigBlueButton (BBB) in Canvas or Sakai. Lectures will be delivered live during the scheduled class time. Students will be able to interact and ask questions via chat and breakout rooms during the scheduled meeting times. The lectures will be recorded for later reference, but students are expected to participate in the live classes.

To take any of these courses, students will need access to the following:

1) High speed internet

2) A laptop or desktop computer. If the computer does not have a built-in microphone and camera, students will need a webcam and a mic.

3) A scanner, or a phone camera with software for producing pdf documents from photos.

Not all of these items will be needed at all times in every meeting of the course.

*By signing up for a Summer course in the math department, a student consents to have videos of them 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.

**Textbook**

*Textbook: Calculus: Early Transcendentals with Integrated Review 3rd Edition*

*Author(s):* Briggs, William | Cochran, Lyle | Gillett, Bernard | Schulz, Eric

*ISBN-13: 9780134763644*

**Grading Policy**

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Midterms</td>
<td>48%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>24%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>12%</td>
</tr>
<tr>
<td>Homework</td>
<td>16%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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</tbody>
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Cutoffs for individual letter grades will be set after the final exam is scored.

**Department Policy on Limiting Number of re-takes for Math 136:** While Spring 2020 courses could not count as a second strike, Summer courses definitely can per the Math department policy. If a student fails Math 136 for the second time in Summer 2020, they will not be allowed a third attempt. Here is the link to this policy: [https://math.rutgers.edu/academics/undergraduate/additional-resources/special-permission-process#FF](https://math.rutgers.edu/academics/undergraduate/additional-resources/special-permission-process#FF)
Assessments

- All assessments evaluate conceptual understanding of the material, as well as, critical thinking and problem-solving skills. Assessments may include various questions such as show-work, partial-credit, multiple-choice.
- You must use a webcam on the days of quizzes, midterms and final per the technology policy.
- Please note it is unacceptable to miss an exam for anything less than a compelling and documented reason.

Homework:
Students are required to purchase access to MyMathLab to complete the online homework. Problems are based on e-book questions and all students get different versions of these problems. Each assignment will have a specific due date set and these assignments must be completed online & on-time. There are unlimited attempts to each question with no time limit. You will have about 5 days to submit each assignment; late submissions will not be accepted. Each assignment worth the same points. **The lowest homework grade will be dropped.**

Quizzes:
MyMathLab quizzes are on specific sections covered in the previous lectures available for one-attempt only. Synchronous quizzes will be administered for 15-20 minutes at the end of class time based on course schedule. There may be some extra-credit opportunities provided to boost up the quiz grade. There will be no make-up quizzes granted except for medical emergency or religious observance. **The lowest quiz grade will be dropped.**

Midterms:
The four midterm exams are open book and calculator. Synchronous midterms will be administered on MyMathLab.

Final Exam:
The final exam is cumulative and open book and calculator. Synchronous final exam will be administered on MyMathLab. The final exam date and time is determined by the university. There are only few very specific conditions which may allow you to reschedule the final exam (e.g., you have finals in 3 consecutive exam periods).

Instruction Format:
Synchronous classes are conducted in BigBlueButton(BBB) as Canvas conferences. During these student-centered online classes, I will be introducing the topic, modeling problem solving, informally assessing your level of understanding in the form of polls, sharing the White-board with you to encourage the use of online board to show work, ask questions, answer each other’s questions. During the recitation portion of the classes, you will be working on the assigned problem sets in groups and I will be facilitating the problem solving by offering hints and clarifications, checking progress.

Attendance
You are expected to attend all classes and actively participate which are also essential for success in this course. I strongly encourage you to attend all classes, be well prepared and participate actively. It is your responsibility to keep up with the lecture material. Problems done in lecture and recitation have direct relevance to the assessments. Also note that the emphasis on recitation time is collaboration and doing problems yourself. To stay updated, especially if you are absent, please check your RU email, CANVAS website and Dr. T’s website.

**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
Student Code of Conduct & Academic Integrity

Please refer to the website http://studentconduct.rutgers.edu/student-conduct-processes/university-code-of-student-conduct/ for Rutgers University code of student conduct.

All Rutgers students are expected to be familiar with and abide by the academic integrity policy. Violations of the policy are taken very seriously.

Statement from Office of Disability 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. 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 this letter with your instructors 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).

Student-Wellness Services

Counseling, ADAP & Psychiatric Services (CAPS) (848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901/ http://health.rutgers.edu/medical-counseling-services/counseling/

CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students’ efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists and consultation and collaboration with campus partners.

Crisis Intervention: http://health.rutgers.edu/medical-counseling-services/counseling/crisis-intervention/

Report a Concern: http://health.rutgers.edu/do-something-to-help/

Violence Prevention & Victim Assistance (VPVA) (848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / www.vpva.rutgers.edu/

The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

Mental Health Resources

College is a very stressful time for many, 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 Rutgers Student Health. You should particularly use these services if you are seeking counseling or if you are concerned about your drinking or substance abuse (or that of a friend).

If you need emergency support, call 911 or the National Suicide Prevention Lifeline at 1-800-273-TALK.

You can also tell your professor if you are having difficulty, and they can help you find the proper support. Above all, please let someone know if you are in crisis.

Disclaimer: Any changes to this syllabus will be announced in class and/or via email.