

Advanced Calculus for Engineering -- 640:421:11, Spring 2022

Text: Advanced Engineering Mathematics, Zill, Jones & Bartlett, 7th edition, 2021

Time: Tuesday & Thursday, 5:40 – 6:00 pm

Place: SEC-207, Busch. Online until January 30. Zoom link available *on Canvas*

Instructor: Jingni Xiao Email: jingni.xiao@rutgers.edu Office: Hill 440

Please use your *Rutgers email account* to send emails (required by University Regulations).

Office Hours: *on Canvas*

Place: Zoom, link available *on Canvas*; In-person meetings may be scheduled by appointment

Prerequisite: Calc 1 – 4

Tech requirement: [Technology Requirements for Math Courses in Spring 2022 \(rutgers.edu\)](http://rutgers.edu/technology-requirements)

Exam dates: Midterms: Exam 1: **3/1**, Tuesday, in class;

Exam 2: **4/12**, Tuesday, in class

Final: TBA

Participation: Your participation is crucial! Please just ask any time you have question or do not understand. Please let me know if I make a mistake during classes. Please speak up if I ask questions (you don't need you raise your hand). You would NOT get any credit off if you ask questions or make mistakes in classes.

Grading: Homework and quizzes: 25 %; Exam 1&2: 20 % each; Final exam: 35 %.

Homework: Homework (and take-home quizzes) are collected electronically on Canvas (scanned work).

- Homework is due (almost) every **Monday at 5pm**.
- **NO late** homework (or take-home quizzes) will be accepted.
- The lowest homework assignment score will be dropped.
- All assigned homework problems are required for submission; but not all will be graded. The grader will grade selected problems and assign an overall score for completeness.
 - If you have any question on homework grading, please **email me directly**. Do **not** leave comments or messages on Canvas, either for the grader or for me.

Exams/Quizzes:

- There is **NO make-up** for quizzes or midterm exams.
 - If you need any accommodation, please contact me at least 3 days before the due time.
- There are (tentatively) **10 quizzes**. Some will be take-home tests, which will value less than the others.
- All exams and quizzes (except for take-home ones) are **closed-book** tests unless otherwise instructed. No calculators are allowed. Formula sheet will be provided.
- Attendance is required for both in-person and online classes. If you have to be absent due to quarantine or any other issue, you should contact me ASAP and before any class(es) you may miss.

Academic Integrity

- Homework (HW): You may discuss HW problems with me or with other students. However, you must **write your solution independently**, not in concert with others. If you consult any source (a web page, a preprint, a book, a file, etc.) in the preparation of HW, you must **explicitly acknowledge** this by citing that source. The work you turn in must be written up **in your own words**, not copied from a source. Failure to observe these restrictions will be treated as a violation of the Rutgers Academic Integrity Policy.

Rutgers Academic Integrity <http://nbacademicintegrity.rutgers.edu/>

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