

Course syllabus for Math 251:34-35 - Multivariable calculus - Franco Rota

Class time and place: TF, 8:40 - 10:00 in TIL-264, Tillett Hall, Livingston campus

Office hours: TBD. Probably in my office, Hill Center 328, Bush campus. You can always contact me by email.

E-mail address: franco.rota@rutgers.edu

Office phone number: (848) 445-7281.

Textbook: *Calculus, Early Transcendentals*, by Rogawski & Adams. Third edition plus WebAssign. ISBN: 978-1319048532.

For informations about the textbook (also for future classes) this is an interesting page: <https://math.rutgers.edu/academics/undergraduate/courses/master-textbook-list>.

Prerequisites: CALC2 (Math 152, 154, or 192).

Course contents: Analytic geometry of three dimensions, partial derivatives, optimization techniques, multiple integrals, vectors in Euclidean space, and vector analysis.

General information about Math 251: <https://math.rutgers.edu/academics/undergraduate/courses/949-01-640-251-multivariable-calculus#Syllabus>

Homework (Webassign): Homework will be conducted via weekly assignments on WebAssign. You must buy the bundled WebAssign when you purchase the textbook. There will be no extensions given for the WebAssign assignments.

You will need to self-enroll using the class key: rutgers 7004 8542. The spaces are part of the class key.

You can self-enroll at the login page: <http://www.webassign.net>. Click on I HAVE A CLASS KEY. If you need more help, email me or look at the quick start guide at http://webassign.net/manual/Student_Quick_Start_Guide_SE.pdf.

Quizzes: Each week except the first (and the week of an exam, or the one immediately before it), during recitation time, there will be a quiz. Quiz problems will be based on the recommended homework problems posted the previous week. Quizzes will be closed book, so you won't have access to your notes. The two lowest quiz scores will be dropped.

Labs: There will be 6 Lab assignments, made of problems about some of the concepts presented in class. You will need to use a programming language to solve the problems in the lab, and turn in your answers. I will communicate the deadlines while we go about the semester. These assignment need to be printed and turned in during the recitation for which they are assigned. No electronic submission is allowed. Contact your TA if you need assistance with the Labs. Information about Labs can be found here: <http://sites.math.rutgers.edu/~mpc163/TestingGround/Computing251.html>

Exams: There will be two midterm exams and one final exam. Midterms will take the entirety of one class period, and will focus on material presented in class since the last midterm (or since the beginning of the semester). The final will be cumulative. The final exam will take place on Thursday, December 19, from 8:00 am to 11:00 am . The location of the final exam will be communicated to you as soon as available.

Missing assignments: There will be no makeup exams, no makeups for missed WebAssign homework, and no makeups for missed Quizzes. The two lowest quiz scores will be dropped. Under **exceptional circumstances**, if you miss a midterm exam I will replace the Midterm score with your final score, making the final worth 300 points instead of 200 (see below).

Grading Scheme: There will be a total of 540 points awarded in the class, distributed as follows:

WebAssign: 40 pts

Quizzes: 70 pts

Labs: 30 pts

Midterms: 100 pts each

Final: 200 pts

Disclaimer: I reserve the right to change any information in this syllabus throughout the semester. If I make a change to the course policies, I will inform you in class, and post an updated version of the syllabus to Canvas. I will hold you accountable for information that is stated in class or posted on Canvas.

Important Dates:

First MidtermFriday, October 11

Second MidtermTuesday, November 19

Final examThursday, December 19

Other information:

Academic integrity: All students in the course are expected to be familiar with and abide by the academic integrity policy (<http://academicintegrity.rutgers.edu/academic-integrity-at-rutgers>). Violations of policy are taken very seriously.

ADA statement: Rutgers is fully committed to compliance with the Americans with Disabilities Act; policies and procedures can be found at <http://ods.rutgers.edu/>.

Students who wish to request special accommodations must present a Letter of Accommodations to the instructor as early in the term as possible (see <https://ods.rutgers.edu/my-accommodations/letter-of-accommodations>).

Counseling, ADAP and 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 in the community and consultation and collaboration with campus partners.

Violence prevention and Victim Assistance (VPVA):

(848) 932-1181 / 3 Barlett Street, New Brunswick, NJ 08901 <http://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.

Disability services:

(848) 932-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 <http://ods.rutgers.edu/> 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 the term as possible. To begin this process, please complete the Registration form on the ODS web site at: <https://ods.rutgers.edu/students/registration-form>.

Scarlet Listeners: (732) 214-9096 <https://rutgers.campuslabs.com/engage/organization/scarletlisteners> Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.