

Remote-Instruction Plan for 645:506

Siqi Fu

COURSE TITLE: Analysis II.

REMOTE INSTRUCTION: Remote-instruction will be conducted through Canvas, Zoom, and emails with Canvas serves as the primary platform of instruction and communication. Course materials, including videos and PDF files, will be posted on Canvas. Students are encouraged to study the course materials before class. The instructor will go over the course materials during the regular class hours using Canvas Conference. Students are required to make an effort to participate in these live remote-lectures. They can ask questions during the playback using texts and/or microphone. Office hours will also be conducted using Canvas Conference.

PERFORMANCE ASSESSMENT: Homework will be assigned and collected regularly as usual. Students will be asked to submit their homework assignments through Canvas. The second midterm will be a take-home test due on April 13. The final exam will have two components. (1) Students will be asked to write a 10 to 15-page essay on a topic related to course materials. (2) There will also be a take-home final exam due on Monday, May 11 by 5:45 pm as specified in the campus-wide final exam schedule.

Grades will be assigned based on students' performance in the homework assignments, mid-term tests, and the final exam as spelled out in the syllabus.

Syllabus For Math 645:506

Spring 2020
Rutgers University-Camden

COURSE TITLE: Analysis II

TEXTBOOKS: *Introduction to Analysis* (5th edition), by Edward D. Gaughan, American Mathematical Society, 2009. *Real Mathematical Analysis* (2nd edition), by Charles C. Pugh, Springer, 2015. (The second book is available online from Rutgers Library's website.)

COURSE DESCRIPTION: This three-credit course is a continuation of Analysis I. It provides a rigorous treatment of Calculus. Topics covered in this course include: The Riemann integral, infinite series, sequences and series of functions, multi-variable calculus, and introduction to the Lebesgue integral. These topics correspond to Chapters 5-7 in the first textbook and Chapters 5-6 in the second textbook.

COURSE INFORMATION:

- Instructor: Siqu Fu
- Office: BSB 426
- Office hours: MW 1:00 am–2:00 pm; M: 4:00-5:00 and by appointments
- Phone: 856 225-2349.
- E-mail: sfu@camden.rutgers.edu
- Web page: <http://crab.rutgers.edu/~sfu/>
- Lectures: MW 2:05-3:25, CS-109

ASSESSMENT: There will be three tests and several homework assignments/projects. Your course grade will be determined according to the following weights:

- Attendance, participation, assignments/projects : 20%
- Test I: 20%
- Test II: 25%
- Test III: 35%

Dates for the tests will be announced in class.

ATTENDANCE POLICY: Attendance is expected at every class period with exception for illness, court appearance, and other legitimate emergency. See the Rutgers University attendance policy at <http://policies.rutgers.edu/1027-currentpdf>.

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

UNIVERSITY DISABILITY STATEMENT: 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 at <https://webapps.rutgers.edu/student-ods/forms/registration>.