

MAT 532: Real Analysis I

Fall 2024

Course description: This is one of the graduate *Core Courses* in mathematics; the list of topics is available at the url:

<https://www.math.stonybrook.edu/graduate-core-courses>

Lecturer: Dzmitry Dudko, Math Tower 2-117. Office Hours: see [here](#).

Grader: Daniel Brogan. Office Hours: see [here](#).

Textbook: Real Analysis: Modern Techniques and Their Applications (2nd edition) by Gerald B. Folland.

Homework: Most weeks there will be a homework assignment posted on [Brightspace](#).

Exams: There will be

Midterm on **October 22**, in class; and

Final Exam on **December 16**, Mon, 11:15 am – 1:45 pm.

Grading: Your final grade will be determined as follows:

Homework: 20%

Midterm: 30%

Final Exam: 50%

Expected Grade will be announced after the Midterm.

Required syllabus statements

Student Accessibility Support Center Statement:

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Student Accessibility Support Center, Stony Brook Union Suite 107, (631) 632-6748, or at sasc@stonybrook.edu. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and the Student Accessibility Support Center. For procedures and information go to the following website:

<https://ehs.stonybrook.edu//programs/fire-safety/emergency-evacuation/evacuation-guide-disabilities>

and search Fire Safety and Evacuation and Disabilities.

Academic Integrity Statement:

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Professions, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at

http://www.stonybrook.edu/commcms/academic_integrity/index.html

Critical Incident Management:

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Student Conduct and Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures. Further information about most academic matters can be found in the Undergraduate Bulletin, the Undergraduate Class Schedule, and the Faculty-Employee Handbook.