

## Syllabus

**Course description:** An introduction to the Advanced Track mathematics program. Provides the core of basic logic, elementary set theory and language of maps. The rigorous language will be applied to define and study some notions of number theory, combinatorics, elementary analysis, Euclidean geometry, topology, etc. No preliminary knowledge of advanced mathematics is required. MAT 250 serves as an alternative to MAT 200 for students in the Advanced Track.

**Credits:** 3.

**Instructor:** Julia Viro. e-mail: [julia.viro@stonybrook.edu](mailto:julia.viro@stonybrook.edu)  
Office hours: TuTh 10:00am-12:00noon and 4:00pm-5:30pm in MLC or by appointment.

**Grader:** Pranav Upadrashta. e-mail: [pranav.upadrashta@math.stonybrook.edu](mailto:pranav.upadrashta@math.stonybrook.edu)  
Office hours: Tu 2:30pm-3:30pm in S-235 and MW 12noon-1pm in MLC; also by appointment.

**Textbook:** Peter J. Eccles, *An Introduction to Mathematical Reasoning*, Cambridge University Press.

**Meetings:** TuTh 1:00pm-2:20pm in Frey Hall 216.

**Homework:** will be assigned weekly through the Blackboard and collected in class on Tuesdays. The emphasis of the course is on writing proofs, so please try to write legibly and explain your reasoning clearly and fully. You are encouraged to discuss the homework problems with others, but your write-up must be your own work. Suspiciously similar papers won't be graded.

**Grading system:** your grade for the course will be based on: homework 10%, quizzes 10%, two midterms 20% each, final exam 40%.

**Make-up policy:** Make-up examinations are given only for work missed due to unforeseen circumstances beyond the student's control. Late home work will not be accepted.

**Student Accessibility Support Center (SASC) statement:** If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact SASC (631) 632-6748 or <http://studentaffairs.stonybrook.edu/dss/>. They will determine with you what accommodations 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 SASC. For procedures and information go to the following website:  
<http://www.stonybrook.edu/ehs/fire/disabilities/asp>.

**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 are required to report any suspected instance of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at <http://www.stonybrook.edu/uaa/academicjudiciary>

**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 Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, and/or inhibits students' ability to learn.