

MAT 511: Fundamental concepts of mathematics

Syllabus (Summer I 2021)

General information

- Course ID: LEC 30-62630
- Meeting time: Tu & Th 6:00-9:25pm ET, May 25 — July 1.
- Location: Online
- Course website: <https://sites.google.com/stonybrook.edu/yaoxiao/mat-511>
- Office Hours: Mondays 9-10 am
- MLC Hours: Mondays 11am-1pm
- Instructor: Yao Xiao
- Email: Yao.Xiao AT stonybrook DOT edu

Overview

This is an introduction to mathematical language, reasoning, and proofs. Mathematical concepts such as sets, functions, and relations will be discussed.

Textbook

- [DW] D'Angelo, John P., and West, Douglas B.. Mathematical Thinking : Problem-Solving and Proofs. Upper Saddle River, NJ: Prentice Hall, 1997.

Other references

- [E] Edwards, C. Henry. The Historical Development of the Calculus. New York: Springer-Verlag, 1979.

Grading

- Written HW 40%
- Presentation 20%
- Midterm 20%
- Final 20%

Student Accessibility Support Center Statement

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Student Accessibility Support Center, 128 ECC Building, (631) 632-6748, or via e-mail at: sasc@stonybrook.edu. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

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 Technology & Management, 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 University 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.