

Syllabus for MAT 119 Fall 2024

MAT 119.06: Foundations for Precalculus

Instructor: Stephanie Lamb

(The course coordinator for MAT 123 this semester is Tom Rico)

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Office Hours: Math Tower 2-120.

<https://www.math.stonybrook.edu/cards/lambstephanie.html>

Meeting Times: Tuesdays, 9:30 AM - 10:50 AM, Physics 113

About the Course

The goal of this course is to ensure that you have a proper background to take calculus at Stony Brook. This means that we will need to accomplish several things:

- Ensure that you have fluency with a variety of topics, such as trigonometry, exponentials and logarithms, algebraic functions (polynomials and rational functions).
- Ensure that you are comfortable and conversant with the underlying concepts such as functions, domain, range, inverse functions, functional composition, and so on.
- Ensure that you have mastered the various means of manipulating functional and algebraic expressions, solving basic equations, and their graphical representations.
- Be able to apply the above to problems both within and outside of mathematics. Part of this is a deeper understanding of functions, whether viewed as graphs, tables, or formulae. Fluency in understanding the language of mathematics is essential for success in the sciences or engineering.

Homework

You are encouraged to bring questions you have from your homework to class as well as questions from lectures. We will, however, have our own sets of in-class assignments, which students will be expected to work on as part of their participation grade.

Exams

There are no exams for this course, however, we will be preparing for the MAT 123 exams.

How your grade will be calculated

Your grade will be based on your attendance and participation on assignments and in class. This is a pass/fail (S/U) course. Attendance will be taken every class and participation/effort during class time will be noted. You will not get credit for coming to class, but not participating. Missing half or more of the scheduled class meetings will result in a U (Unsatisfactory) for the course.

Brightspace

Occasionally, items will be added to Brightspace when we didn't have time to finish them in class, or if additional problems are posted. When items are posted, you will receive an email to inform you.

Academic Success and Tutoring Center (ASTC):

The ASTC provides free academic support services for all undergraduate students, including one-on-one tutoring, small group tutoring, academic success coaching, and public speaking seminars. Learn more about these services and additional campus resources at www.stonybrook.edu/tutoring.

Math Learning Center (MLC):

The MLC is open five days a week for help with math questions. See their schedule here: <https://www.math.stonybrook.edu/mlc/>

Peer-Assisted Learning (PAL) Sessions:

You can get course-focused math help from fellow students who have taken the course before and will provide you with an informal learning environment. Visit the following link to find out more: https://www.stonybrook.edu/commcms/academic_success/about/pal.php

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, Stony Brook Union Suite 107, (631) 632-6748, or at sasc@stonybrook.edu. 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 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 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.