

Syllabus for MAT 119 Fall 2020

MAT 119: Foundations for Precalculus

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.

The text is called *Precalculus* and is an OpenStax textbook. You can find and download the textbook in the Documents folder in BlackBoard. The textbook is an Open Educational Resource and is FREE. The computer homework program is through Lumen Learning and is also FREE. **The video page can be found at:**

<http://www.math.stonybrook.edu/Videos/courses/?open=MAT123>

Homework

You are encouraged to bring questions you have from your homework to class. You may also bring questions from lectures.

If you are still having difficulty understanding a topic, we suggest that you meet with your instructor, go to the Math Learning Center (located in the basement of the Mathematics Tower), or go to your professor's or recitation TA's office hours.

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 participation and effort put forth in class.

Blackboard

Occasionally items will be added to BlackBoard 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 informing you of the fact.

MAT 119 schedule

The Course Coordinator for Precalculus is David Kahn

LEC 01	88768	Th	11:30am- 12:50pm	Online	Joanna Siemion
LEC 02	88735	M	2:40pm- 4:00pm	Online	Stephanie Salvator
LEC 03	88736	W	2:40pm- 4:00pm	Online	Stephanie Salvator
LEC 04	88780	Tu	8:15pm- 9:35pm	Online	Mark Lombardi
LEC 05	96239	M	2:40pm- 4:00pm	Online	Joanna Siemion

Americans with Disabilities Act:

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:

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.

Conduct

Stony Brook University expects students to maintain standards of personal integrity that are in harmony with the educational goals of the institution; to observe national, state, and local laws and University regulations; and 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, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures.