

Stony Brook

STATE UNIVERSITY OF NEW YORK

Course Syllabus

MAT 125: Calculus A

- **About this course:** The goal of this course is to develop your understanding of the concepts of Calculus and your ability to apply them to problems both within and outside of Mathematics. Functions are presented and analyzed as tables, graphs, and formulas. You need to continue to develop your proficiency at manipulating formulas and equations, which are the language of science. Fluency in this language is essential for success in science or engineering.
- **Text:** We will be using a **FREE online** text called (Surprisingly!) *Calculus Volume 1*. To access it you go to <https://openstax.org/details/books/calculus-volume-1>. You will find it well written and easy to read. There are solutions to odd numbered problems as well as videos and applets that help visualize the concept being discussed.
- **Calculators:** You may find using a graphing calculator (TI 83, TI84 are the best choices) helpful. Some of the HW problems will require a calculator for their solution but **no** quiz or exam questions will require the calculator. Also, in this course, **no** calculators will be allowed on exams.
- **Reading & Homework:** You cannot learn calculus without working problems. Each week there will be suggested reading, suggested practice problems from the textbook (in Assignments in Bb) as well as graded online assessment. We will be using **Lumen OHM**, a web-based system for the graded assessments. It would allow you see the problems, submit your answers and/or solutions and get immediate feedback on your work. You will be graded on how many questions you get correct and how many tries it takes you to get the correct answer. If you do not understand how to do something, get help from your TA, your lecturer, your classmates, or in the Math Learning Center (in the basement of the Mathematics Tower). Almost every week there will be a graded online homework assignment. You will receive more information concerning its use in separate documents. These will be posted in Bb as they become available. Keep an eye on your email for announcements. This is like WebAssign but it is FREE. Since we are using it for the first time, there may be some hiccups in the process, but we'll work them out as the semester progresses.
- **Recitations:** These are required sessions with your TA in which homework will be discussed and questions will be answered. Tests and quizzes will be returned during recitations.
- **Quizzes:** The grades you receive by submitting your HW through Lumen OHM will be half of the recitation grade. Quizzes given in recitation will be the other half.
- **Reading:** The textbook is intended to be read. Read the assigned sections corresponding to the assignments. This will greatly increase your comprehension, and enable you to ask intelligent questions in class. Furthermore, the lectures will not always be able to cover all of the material for which you will be responsible.
- **Examinations and grading:** There will be two evening exams, and the ever-popular final exam. The dates and times are listed below; the locations will be announced in lecture. Success on the exams will require correct and efficient solutions to the more difficult of the homework problems.

Evening Exams: Spring 2020 Evening exams at 8:45 pm 3/3/20, 4/22/20.

Final Exam: This date will be announced later in the semester.

- **Final Grade Calculation**

MT 1	MT 2	Final	Recitation
25%	25%	30%	20%

- **Math Learning Center:** The Math Learning in the basement of Math Building, room S-235 (former COLA) is there for you to get help with Calculus. It is staffed most days and some evenings— your lecturer or TA may hold some of his or her office hours there. A schedule should be posted outside the room and at the Math Undergraduate Office.
- **Cell Phones:** If you have a cell phone with you, please have it turned off or set to vibrate. Allowing your phone to go off in class is inconsiderate. If you need to talk to someone on the phone, please leave the room and move far enough away so that the class is not disturbed. Playing video games on the phone and text messaging are equally inappropriate.
- **SASC advisory:** If you have a physical, psychological, medical, or learning disability that may affect your course work, please contact Student Accessibility Support Center (Formerly DSS) office: ECC (Educational Communications Center) Building, room 128, telephone (631) 632-6748/TDD. DSS will determine with you what accommodations are necessary and appropriate. Arrangements should be made early in the semester (before the first exam) so that your needs can be accommodated. All information and documentation of disability is confidential. Students requiring emergency evacuation are encouraged to discuss their needs with their professors and SASC. For procedures and information, go to the following web site <http://www.ehs.sunysb.edu> and search Fire safety and Evacuation and Disabilities.
- **Conduct:** The following statement is University policy:

“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, and/or inhibits students’ ability to learn.”
- **Email:** Please be sure to use Standard English in writing emails to me, your lecturer and TA, including correct spelling and punctuation. Also use complete sentences. Start the subject line with “MAT 125” then your subject.
- **Blackboard:** You are required to use this application throughout the course to access assignments and other material, to view grades, to contact me and to check for announcements. (See the box below.) It is also a good way to contact other students in class to complain about the professor. It would best if you check the site and your email daily since you are responsible for any updates or other material that are posted.

Blackboard is the University's online learning management system (LMS) that is designed to facilitate communication between students and instructors. It enables faculty to post their syllabus and other course-related materials in one place on the Web for student access. Blackboard provides different communication features such as wikis, blogs, and discussion boards to disseminate and share information.

All registered students (undergraduate and graduate) receive a Blackboard account at the beginning of their first semester at Stony Brook University.

Log in to Blackboard at <http://blackboard.stonybrook.edu>. NetID and NetID password is required for authentication.

For problems logging in, go to the helpdesk in the Main Library SINC Site or the Union SINC Site, you can also call: 631-632-9602 or e-mail: helpme@ic.sunysb.edu