

Stony Brook
STATE UNIVERSITY OF NEW YORK
Course Syllabus

MAT 126: Calculus B

- **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:** *OpenStax Calculus 2*. This is a FREE textbook which you can access online and is a follow-up to the *Calculus 1* text you used in MAT 125 if you were at Stony Brook for MAT 125 Calculus A. Since the texts are free, you might keep *Calculus 1* available as a reference.
- **Calculators:** You may find using a graphing calculator (TI 83, TI84 and TI-nspire are the best choices) helpful. Some of the HW problems will require a calculator for their solution but **no** quiz or test questions will require the calculator. Also, in this course, **no** calculators will be allowed on exams.
- **Homework:** You cannot learn calculus without working problems. Expect to spend at least 8 hours a week solving problems; do all the assigned problems, as well as additional ones to study. 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 or possibly online). Almost every lecture will include homework. We will be using **LumenOHM**, a web-based system in which 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. You will receive more information concerning its use in separate documents. These will be posted in Bb (Black Board – see below for information on this) as they become available. Keep an eye on your email for announcements. Normally the assignments will be posted on Sunday or Monday and will be due on the following Monday at 8:00 **AM**. Circumstances may require changes in this schedule, but you will be notified when it happens.
- **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 & Homework Grades:** You will be given a quiz most weeks in recitation resulting in a Quiz Average. Your Lumen homework will have a Homework Average. See the table below for the weights of the various parts of your Final Average.
- **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 the material for which you will be responsible. The HW may include a reading assignment.
- **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 and on Bb. Success on the exams will require correct and efficient solutions to the more difficult of the homework problems.

In Person Exams: Tu Feb 22 & Tu Apr 5, 8:15 to 9:35 **PM** These are **EVENING EXAMS**

Final Exam: Wednesday, May 11, 8:00 AM-10:45 AM. This is a **MORNING** exam

- **Final Grade Calculation**

MT 1	MT 2	Final	HW	Quizzes
25%	25%	35%	10%	5%

- **Math Learning Center:** The Math Learning Center, in Math S-240A, 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. **NOTE:** At this time whether the MLC will be in-person, online or a combination of both is yet to be determined. Watch Bb and your email for announcements.
- **Cell Phones:** If you have a cell phone with you in class, 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.
- **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.
- **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.
- **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 126” then your subject. Be aware that these are very large classes, and it may take a while for us to respond. Sending the same email repeatedly just slows down the process.
- **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.
- **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
- **Face Mask Policy:**
Students should be aware that a face mask is required while in the classroom. If a student does not comply, the student will be asked to leave the classroom. If the student does not comply or leave the classroom, we will end the class and the students will be reported to the Office of Student Conduct and Community Standards at communitystandards@stonybrook.edu.

- **Accommodations for students with hearing and communication impairments**

Some students with hearing and communication impairments may need their instructor to wear a clear mask for lip and facial expression purposes. If the student has registered with the Student Accessibility Support Center (SASC) and has requested an accommodation for clear masks, SASC will reach out to the student's instructors and provide a clear mask for them to wear while teaching and/or interacting with the student. If you have questions, please email sasc@stonybrook.edu or call (631) 632-6748.

- **FACE MASK ACCOMMODATIONS, MODIFICATIONS, OR EXEMPTIONS**

The Student Accessibility Support Center (SASC) works with students who may require academic accommodations. If a student is unable to wear a mask for health reasons, the student should contact SASC at sasc@stonybrook.edu. SASC will work with the student to help identify arrangements to complete in-person courses in an alternate format. If, however, there is an in-person class that cannot be accommodated in an alternate format, a student may be approved by the Medical Director of Student Health Services to wear a modified face mask or no face covering. In this situation, SASC will communicate this information to the faculty member. Approved students will also be provided with a written exemption from the Medical Director of Student Health Services that indicates any modifications or exceptions, which they must carry with them to show faculty if requested. Please note that medical exemptions are rare and are based solely on medical necessity. If a student is exempt from the face mask policy, please consider how to seat students to ensure proper social distancing within a given instructional setting. If you have questions regarding accommodations, please email sasc@stonybrook.edu. For health-related concerns in the classroom, please contact Dr. Rachel Bergeson, Medical Director, at rachel.bergeson@stonybrook.edu.