

MAT 126: CALCULUS B

Course Syllabus for Summer 2020

Instructor: Pranav Upadrashta

- **Course content:** MAT 126 is a continuation of MAT 125, covering integral calculus: Riemann sums, the fundamental theorem, symbolic and numeric methods of integration, area under a curve, volume, applications such as work and probability, improper integrals. This course has been designated as a High Demand/Controlled Access (HD/CA) course. Students registering for HD/CA courses for the first time will have priority to do so.
- **Prerequisites:**
 - C or higher in MAT 125 or 131 or 141 or AMS 151; or else
 - a rating of level 6 or better on the Mathematics Placement Examination.
- **Textbook:** The books for this course are Openstax textbooks called *Calculus – Volume 1* and *Volume 2*. These are freely available at <https://openstax.org/details/books/calculus-volume-1> and <https://openstax.org/details/books/calculus-volume-2>.
- **Homework:** There will online homework assigned through Lumen Learning, which is again a free resource. Additionally, there will be paper homework, that should be submitted via blackboard.
- **Exams and grading policy:** There will be two midterms and a final exam. There are no makeup exams. If the score on the final exam is greater than one of the midterms, then the final exam score will replace the lowest mid-term score. The final grade will be determined as follows:
 - Mid-term 1: 25%
 - Mid-term 2: 25%
 - Final : 30%
 - Homework: 20%
- **Office Hours:** Office hours will be held via zoom, the exact details regarding meeting ID will be posted on blackboard.
- **Lectures:** Lectures will be held online via zoom, which will be recorded and posted to blackboard for benefit of those students who may have difficulty accessing internet during the lecture time.
- **Student Accessibility Support Center Statement:** If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Student Accessibility Support Center, ECC (Educational Communications Center) Building, Room 128, (631)632-6748. They will determine with you what accommodations, if any, 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 Student Accessibility Support Center. For procedures and information go to the following website: <http://www.stonybrook.edu/ehs/fire/disabilities>.

- **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.