MAT 125-CALC A

YU XIAO

1. Contact Information

- Teacher: Yu Xiao
- Email: yu.xiao@stonybrook.edu
- Lecture time: MWTh 6:00pm-8:15pm
- Office Hours: TBA

2. Grading

- Homework: 50%
  Homeworks are assigned every week. There will be 6 homeworks in total.
- Midterm: 20%
  The midterm will take place on July 22th, during class.
- Final: 30%
  The final will take place on August 12th, during class.

3. General

3.1. **Americans with Disabilities Act.** If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room128, (631) 632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

3.2. **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 are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology and 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/uaa/academicjudiciary/

3.3. **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 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

07/05	Precalc Review, Continuity and Limits
07/07	Limits and Their Calculation
07/08	Derivatives
07/12	Derivatives and Rates of Change
07/14	Derivatives of Polynomials and Trig Functions
07/15	Product Rule and Quotient Rule
07/19	Derivative of Exponential and Log Functions
07/21	Chain Rule
07/22	Midterm Exam
07/26	Implicit Differentiation
07/28	Derivative of Inverse Functions
07/29	Rates of Change
08/02	Related Rates
08/04	Minima and Maxima
08/05	Sketching and L'hopital
08/09	Optimization
08/11	Newton's Method, Review
08/12	Final Exam