

# MAT 125 – Calculus A

## Contact Information

*Teacher:* Owen Yael Mireles Briones

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*Office Hours:* Thursdays 4:30 pm – 5:30 pm

My office is in room S240A, which is in the basement floor of the Math Building.

If you need more help with the course's material, there is the MLC (*Math Learning Center*), located also in the basement floor. The MLC hosts different tutors who are willing to help you on your math doubts. It is free; you can just walk in, without previous notice.

For more information, visit: <http://www.math.stonybrook.edu/mlc/>

## Grading

Participation	5%	
Homework	25%	Every two classes a homework will be issued.
Quizzes	15%	At the beginning of each class there will be a quiz.
Midterm	25%	July 25 <sup>th</sup> – During class.
Final	30%	August 15 <sup>th</sup> – During class.

## Textbook

Homework problems will be retrieved from the book

*Essential Calculus: Early Transcendentals* (6<sup>th</sup> Edition)

by *James Stewart*

You DO NOT need to buy this book.

## Course Calendar (Coarse Syllabus)

07/08	Precalculus Review: Practice Exercises
07/10	Precalculus Review: Trigonometric Functions
07/11	Precalculus Review: Exponentials and logarithms
07/15	Limits 1 (Definition, some examples)
07/17	Limits 2 (Different types of limits, more examples)
07/18	First glance at Derivatives (Geometric meaning, examples)
07/22	Derivatives of Polynomials and Exponentials

07/24	The Product and the Quotient Rules
07/25	<b>Midterm Exam</b>
07/29	Chain Rule
07/31	Implicit Differentiation
08/01	Derivatives of Trigonometric and Inverse Trigonometric Functions
08/05	Derivatives of Logarithmic Functions
08/07	Linear Approximations and Differentials
08/08	Maxima & Minima
08/12	Applications of Differential Calculus (Sketching and L'Hopital's Rule)
08/14	Applications of Differential Calculus (Optimization Problems)
08/15	<b>Final Exam</b>

## 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 are confidential. Students requiring emergency evacuation are encouraged to discuss their needs with their professors and DSS. For procedures and information, go to: <http://www.ehs.sunysb.edu> and look at Fire Safety and Evacuation and 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 are 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/uaa/academicjudiciary/>

## 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.

## 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.