



Stony Brook University

MAT 123 –Introduction to Calculus
Winter 2015

Location: Physics P113
Time: TuWeThFr 9:30AM-12: 55PM

Instructor: Xingjia Tang
Email: xing.tang@stonybrook.edu
Office Hours: Wednesday: 2PM-4PM
Friday: 2PM-3PM

I. Course Description.

The course will develop the basic pre-requisites and tools necessary for a comprehensive understanding of Calculus. The emphasis will be on problem solving and practical applications.

Textbook: PRECALCULUS(BINDER-READY)-W/WEBASSIGN, Author: AXLER,
Publisher: WILEY C, Edition: 2ND 13

II. Grading Policy.

Quizzes: (20%) – There will be a 10-15minute quiz every class. The lowest grade will be dropped.

Student Group Work (10%) – In the second half of each lecture, the class will be randomly assigned into small groups (4-5 students) and work on a set of problems on the content covered in the first half of each lecture. In each activity, there will be a log provided, students need to fill out the log, and hand it in along with the completed group work. Each group work will be graded. Individual's grade will be calculated based on group work result.

WebAssign (15%) – Daily assignments (10-15 problems) will be given through WebAssign. You have to buy an access code to WebAssign. You can purchase the access code directly from www.webassign.net or in the bookstore. Compare the prices from different resources before the purchase.

Midterm (25%) – January 15th 2014, covering sections 1.1, 1.4, 1.5, 2.1, 2.2, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 5.1, 5.5

Final (30%) – January 23rd 2014. It will be cumulative but with emphasis on sections 2.3, 2.4, 3.1, 3.2, 3.3, 3.4,3.5, 3.7

Note: Any changes to the above will be posted on Blackboard. As a result, make sure to check stony brook email on a regular basis. There is no makeup policy for homework, and quizzes and late homework will not be accepted. However, you may be offered a makeup Midterm or Final if you have a legitimate documented excuse.

III. Calculators

Calculators will not be allowed in exams and quizzes. While you can use them for the HW, you are encouraged to get used to doing calculators by hand. Notice that you don't have to write all answers in terms of decimals, i.e. an answer such as $\frac{3\sqrt{5}}{\pi}$ is perfectly fine; you don't need to further simplify it using a calculator. Moreover, rounding off and approximating is not strongly encouraged. For example, if you have $\frac{\sqrt{145}}{2}$ you should notice that since $\sqrt{144}=12$, so that $\sqrt{145}$ is approximately 12, so that $\frac{\sqrt{145}}{2}$ is approximately 6.

IV. Feedback

Students are encouraged to offer suggestions and to discuss with me about any concerns they might have. As the course goes, make sure you monitor your grade book and contact me if there is any error in the grading as soon as possible. Seeking for the last minute opportunity is not encouraged.

V. Policy on Plagiarism and Cheating

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. Any suspected instance of academic dishonesty will be reported to the Academic Judiciary. 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/>

VI. Math Learning Center (MLC)

MLC is a place where you can get free tutoring help with any of your math concerns. No appointment is required, just come in and ask for help. MLC is located in the basement of Math Building, room S-240S. Website is www.math.sunysb.edu/MLC/index.html

VII. Students with Disabilities

If you have a physical, psychological, medical, or learning disability that may impact on your ability to carry out assigned course work, you are strongly urged to contact the staff in the Disabled Student Services (DSS). Disability Support Services is in the ECC building, directly behind the Psych A building and diagonally across the back parking lot of the SAC. Along the path there is a blue and white sign that says Disability Support Service. There are automatic door buttons outside the front door and inside the Vestibule. Telephone: (631) 632-6748. Email: dss@notes.cc.sunysb.edu. DSS will review your concerns and determine, with you, what accommodations are necessary and appropriate.