

AMS151.02 Applied Calculus I, Fall 2009

Instructor: Joe Mitchell, Math Tower 1-109, 632-8366, jrbm@ams.sunysb.edu

Office hours (tentative): Tue (1:00-2:30), Wed (3:00-4:00), or by appointment, or drop by whenever (don't be shy!)

Course Web Site: <http://www.ams.sunysb.edu/~jrbm/courses/151/ams151.html>

Teaching Assistant: Adam Falk, afalk@ams.sunysb.edu. Office hours: 1:00-2:00 (Mon), 12:00-1:00 (Thurs), in Harri-man 010.

Class Meetings: Tuesday, Thursday, 3:50–5:10, in Library W0512

Pre/Corequisites: Prerequisite: B or higher in MAT 123, or level 5 on the math placement exam, or B or higher in MAT 122 and concurrent registration in MAT 130.

Requirement Designation: DEC C and Skill 1. Required grade: A through C. Intended for CEAS majors. Not for credit in addition to MAT 125 or 126 or 131 or 141.

Text: *Calculus (5th Edition)*, by Hughes-Hallett, Gleason, McCallum, et al. (ISBN 978-0470-13159-6), Wiley 2009.

Homeworks: Weekly assignments are computer-generated and graded and are to be done online at the following website: <http://webwork2.ams.sunysb.edu/webwork2/AMS151-2>. Your login name is your first initial and last name (up to 10 characters), e.g., "jrmitchell" if your name is Joe Mitchell, and your initial password is your SBU id number (change it once you login). You are to do the problems entirely on your own.

Homework Policy: **No late homework will be accepted – it will be impossible to enter it, as the system automatically closes.** (If you have a serious emergency that will prevent you from making the deadline, contact me by email at least 2 hours prior to the deadline.) Each homework set will have a specific (and *exact!*) time and date it is due, and a time shortly after the due time when the solutions will be made available. Check the times carefully!

Exams: There will be in-class quizzes every other week; the first will be September 10, on prerequisite material. There will be a final exam during the assigned final exam period (Tues, Dec 15, Period 4: 5:15-7:45).

Grades: Your total average score will be the *maximum* of the following two weighted averages: 25% homework, 35% quizzes, 40% final; **OR** 15% homework, 15% quizzes, 70% final. I will use your total average score to assign a letter grade; there is no pre-established scale or curve, but the approximate grade distribution in this class is: 25% A's, 35% B's, 30% C's, 10% D's, F's, and W's.

IMPORTANT: Your total homework score on WeBWorK must be at least 50% to pass the course, regardless of your performance on quizzes and the final.

Course Outline: The following topics will be covered:

- Function and their applications
- Analytic methods of differentiation
- Interpretations and applications of differentiation
- Introduction to integration

Disability Policy: If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services at (631) 632-6748 or <http://studentaffairs.stonybrook.edu/dss/>. They will determine with you what accommodations 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 Disability Support Services. For procedures and information: <http://www.sunysb.edu/ehs/fire/disabilities.shtml>

Academic Integrity Policy: 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 the following url:

<http://www.stonybrook.edu/uaa/academicjudiciary/>.

University Policy: The University at Stony Brook 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 is required to report disruptive behavior that interrupts faculty's ability to teach, the safety of the learning environment, and/or students ability to learn to Judicial Affairs.