

MAT 131: Calculus I

Fall 2016

Important: The time, the class schedule, the location, and the TA's you find in this webpage are those corresponding to Lecture 01. In order to check the time and location of the generalities of the other Lectures please visit your Black Board

[Syllabus](#)

[Using Web Assign](#)

Instructor's Contact Details:

Instructor: Dr. Luigi Lombardi

E-mail: luigi.lombardi AT stonybrook.edu

Office: Math Tower 3-120

Office hours: Monday 2-3pm and Tuesday 12-1pm in Math Tower 3-120

Tuesday 3-4pm in MLC

By appointment

Lecture (location and time):

Location: Engineering 145

Time: Monday-Wednesday-Friday 10am-10:53am

Teaching Assistants' Contact Details:

TA: Alaa Abd-El-Hafez

E-mail: alaa.abdelhafez@stonybrook.edu

TA: Holly Chen

E-mail: holly.chen@stonybrook.edu

TA: Kecheng Xu

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Textbook:

James Stewart "Single Variable Calculus (Stony Brook Edition)", 5th edition, Pearson Prentice Hall

Course Description:

This is the first of two calculus courses at Stony Brook, MAT 131 & MAT 132. It assumes that the students have a good background in Pre-Calculus topics such as linear, polynomial, trigonometric, exponential & log functions. We will explore the power of the differential calculus in understanding functions and in “real world” applications. At the end of the course will begin a discussion of the integral calculus which will be continued in MAT 132.

Recitations and quizzes:

These are required sessions with your TA in which homework will be discussed and questions will be answered. You’ll have two sessions per week. Tests and quizzes will be returned during recitations. You will also be given quizzes in recitation, usually once per week. The grades you receive by submitting your HW through WebAssign will be half of the recitation grade. Quizzes given in class will be the other half.

Midterms and Final Exam:

Midterm 1: Wednesday September 28th, 8:45pm - 10:15pm
Midterm 2: Wednesday November 2nd, 8:45pm - 10:15pm
Final Exam: Wednesday December 14th, 11:15am - 1:45pm

Course Grading:

25% Midterm 1
25% Midterm 2
30% Final Exam
20% Recitation

Academic Integrity:

Each student must pursue his or her goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Instructors are required to report any suspected instances of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, see the academic judiciary web site at <http://www.stonybrook.edu/cinncms/academic-integrity/index.html>

Stony Brook

STATE UNIVERSITY OF NEW YORK

Course Syllabus

MAT 131: Calculus I

- **About this course:** This is the first of two calculus courses at Stony Brook, MAT 131 & MAT 132. It assumes that the students have a good background in Pre-Calculus topics such as linear, polynomial, trigonometric, exponential & log functions. We will explore the power of the differential calculus in understanding functions and in “real world” applications. At the end of the course will begin a discussion of the integral calculus which will be continued in MAT132.
- **Text:** *Single Variable Calculus* (Stony Brook Edition), by James Stewart. This is the same book as Stewart’s Concepts and Contexts, 4th edition, but with a different cover and a lower price. This same book is used by MAT 125, MAT 126, MAT127, MAT131 and MAT132; Suffolk Community College also uses this book, but with the other cover.
- **Calculators:** You may find using a graphing calculator (TI 83, TI84 are the best choices) helpful. Some of the HW problems will require a calculator for their solution but no quiz or test questions will require the calculator. Also, in this course, no calculators will be allowed on exams.
- **Homework:** You cannot learn calculus without working problems. Expect to spend at least 8 hours a week solving problems; do all of the assigned problems, as well as additional ones to study. If you do not understand how to do something, get help from your TA, your lecturer, your classmates, or in the Math Learning Center (in the basement of the Mathematics Tower). Almost every lecture will include homework. We will be using **WebAssign**, a web-based system in which you see the problems, submit your answers and/or solutions and get immediate feedback on your work. You will be graded on how many questions you get correct and how many tries it takes you to get the correct answer. You will receive more information concerning its use in separate documents. These will be posted in Bb as they become available. Keep an eye on your email for announcements.
- **Recitations:** These are required sessions with your TA in which homework will be discussed and questions will be answered. You’ll have two sessions per week. Tests and quizzes will be returned during recitations. You will also be given quizzes in recitation, usually once per week.
- **Quizzes:** The grades you receive by submitting your HW through WebAssign will be half of the recitation grade. Quizzes given in class will be the other half.
- **Reading:** The textbook is intended to be read. Read the assigned sections corresponding to the assignments. This will greatly increase your comprehension, and enable you to ask intelligent questions in class. Furthermore, the lectures will not always be able to cover all of the material for which you will be responsible.
- **Examinations and grading:** There will be two evening exams, and the ever-popular final exam. The dates and times are listed below; the locations will be announced in lecture. Success on the exams will require correct and efficient solutions to the more difficult of the homework problems.

Evening Exams: Weds. 9/28, and Weds. 11/2 from 8:45 -10:15 PM

Final Exam: Weds, Dec. 14, 11:15 AM-1:45 AM. **Note:** This is a MORNING- AFTERNOON EXAM

- **Final Grade Calculation**

MT 1	MT 2	Final	Recitation
25%	25%	30%	20%

- **Math Learning Center:** The Math Learning Center, in Math S-240A, is there for you to get help with Calculus. It is staffed most days and some evenings— your lecturer or TA may hold some of his or her office hours there. A schedule should be posted outside the room and at the Math Undergraduate Office.
- **Cell Phones:** If you have a cell phone with you, please have it turned off or set to vibrate. Allowing your phone go off in class is inconsiderate. If you need to talk to someone on the phone please leave the room and move far enough away so that the class is not disturbed. Playing video games on the phone and text messaging are equally inappropriate.
- **DSS advisory:** If you have a physical, psychological, medical, or learning disability that may affect your course work, please contact Disability Support Services (DSS) office: ECC (Educational Communications Center) Building, room 128, telephone (631) 632-6748/TDD. DSS will determine with you what accommodations are necessary and appropriate. Arrangements should be made early in the semester (before the first exam) so that your needs can be accommodated. All information and documentation of disability is confidential. Students requiring emergency evacuation are encouraged to discuss their needs with their professors and DSS. For procedures and information, go to the following web site <http://www.ehs.sunysb.edu> and search Fire safety and Evacuation and Disabilities.
- **Conduct:** The following statement is University policy:

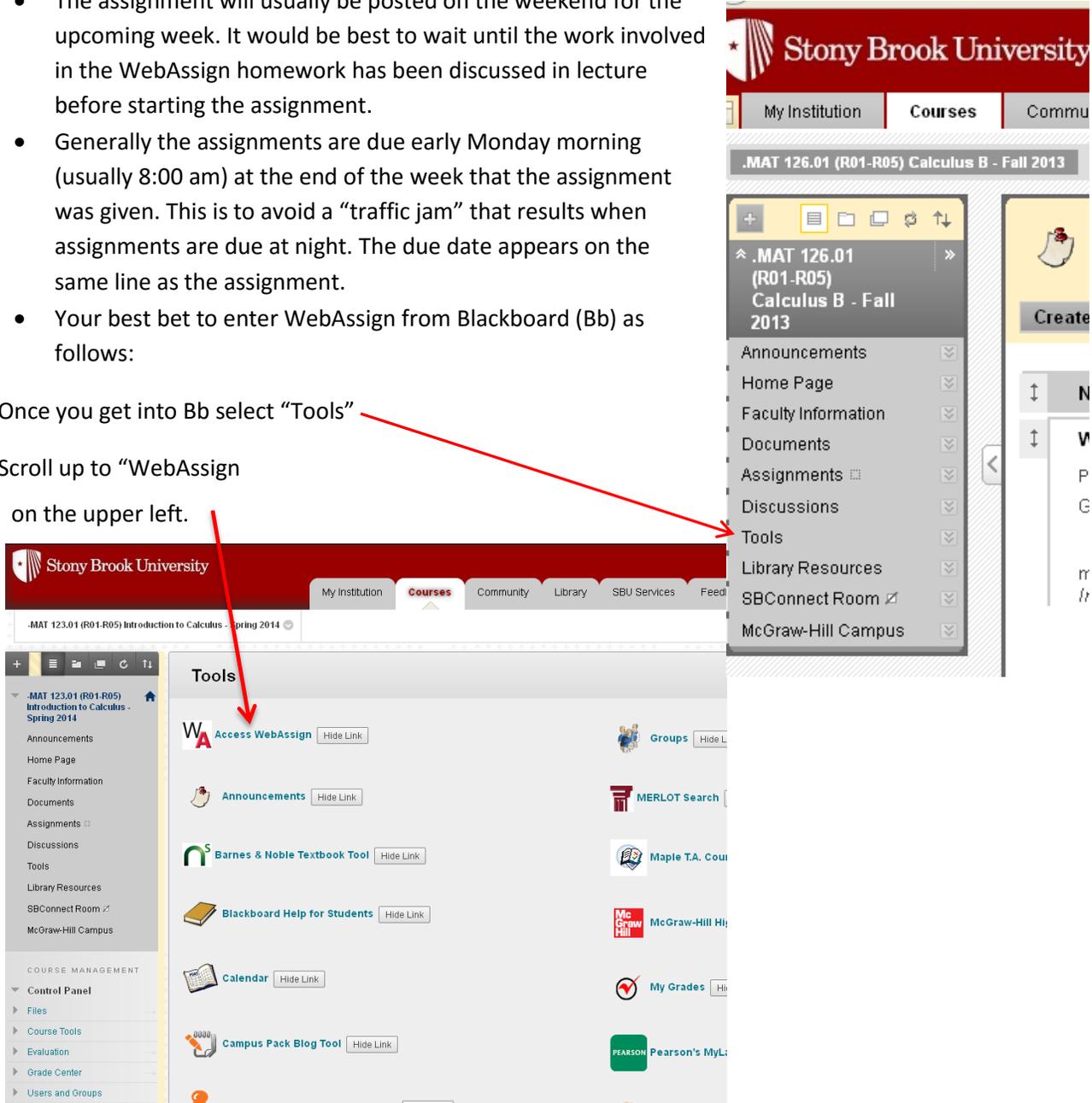
“Stony Brook University expects students to maintain standards of personal integrity that are in harmony with the educational goals of the institution; to observe national, state, and local laws and University regulations; and to respect the rights, privileges, and property of other people. Faculty are 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, and/or inhibits students’ ability to learn.”
- **Email:** Please be sure to use Standard English in writing emails to me, your lecturer and TA, including correct spelling and punctuation. Also use complete sentences. Start the subject line with “MAT 131” then your subject. You can email me at randersen@math.sunysb.edu
- **Blackboard (abbreviated Bb) :** You are required to use this application throughout the course to access assignments and other material, to view grades, to contact me and to check for announcements. It is also a good way to contact other students in class to complain about the professor. It would best if you check the site and your email daily since you are responsible for any updates or other material that are posted. You will access WebAssign through Bb as well.

Using WebAssign – MAT 131

You'll be using WebAssign for your MAT 131 homework assignments. Here are some reminders and a short guide as to how to use WebAssign.

- If you are enrolled in MAT 131 class you already have a WebAssign account. You do not need a class key or any other code. If you haven't purchased WebAssign with your textbook or separately you will be prompted to "pay-up" when you enter the program. How you enter WebAssign is explained below.
- The assignment will usually be posted on the weekend for the upcoming week. It would be best to wait until the work involved in the WebAssign homework has been discussed in lecture before starting the assignment.
- Generally the assignments are due early Monday morning (usually 8:00 am) at the end of the week that the assignment was given. This is to avoid a "traffic jam" that results when assignments are due at night. The due date appears on the same line as the assignment.
- Your best bet to enter WebAssign from Blackboard (Bb) as follows:

1. Once you get into Bb select "Tools"
2. Scroll up to "WebAssign on the upper left.



3. You're there!

The screenshot shows the WebAssign interface for a course titled ".MAT 126.01 (R01-R05) Calculus B - Fall 2013". The interface includes a navigation bar with "Home", "Assignments", "Questions", "Tasks", and "Grades". Below this is a search bar and utility links like "Messages", "Calendar", "Folders", "Communication", "ClassView", and "Jump to C". A green banner at the top contains "New Semester Tips: Preparing Your Students for WebAssign". The "My Classes" section shows "Showing: [Past (15) | Current Classes (3) | All (48)]" and lists "MAT 126, section 01 Master". Under "Class Tools", there are links for "Instructor: Robert Andersen", "Term: Fall 2013", "Roster (197 Students)", "Upload Roster", "ScoreView", and "eBook". The "Assignments" tab is active, showing a table with columns for "Past", "Current/Recent Assignments (1)", "Future", and "All". The table lists one assignment: "MAT 126 HW 8/26".

Annotations with red arrows point to specific elements:

- A yellow box at the top right says "Here's where you find your assignments" and points to the "Assignments" tab.
- A yellow box on the left says "This will match your course title" and points to "MAT 126, section 01 Master".
- A yellow box on the right says "The due date will appear at the end of this line" and points to "8/26" in the assignment name.
- A yellow box at the bottom says "You should be able to see a digital version of your textbook here if you paid for it." and points to the "eBook" link.

- Click on the assignment you want.
- When you enter the assignment you'll see places for your answers. In some cases you select the answer from a list, in others you have to use a built-in formula editor. Some "tutorial" questions take you through the process step by step and you have to answer each part before going on to the next.
- Once you submit your answer, you are told whether or not your answer is correct. If it's wrong you have one more chance to get it right with no penalty. After that you have 3 more tries but each try reduces your score for that question by 20%. You have a total of 5 tries.