

# MAT 131 - Calculus I

## Summer I, 2020

### Syllabus

#### **1 Lectures:**

Monday, Wednesday and Thursday, 6:00pm-9:05pm, online via Zoom. The link is on blackboard.  
This is a 4 credits course.

#### **2 Course description:**

The differential calculus and integral calculus, emphasizing conceptual understanding, computations and applications. Differentiation of elementary algebraic, trigonometric, exponential, and logarithmic functions; graphing; modelling and maximization; the Riemann integral; and the fundamental theorem of calculus.

#### **3 Text:**

Gilbert Strang Calculus. Volume 1, OpenStax:

Download for free at <https://openstax.org/details/books/calculus-volume-1>

#### **4 Instructor:**

The instructor is Vinicius C. Costa, E-mail: [vinicius.cantocosta@stonybrook.edu](mailto:vinicius.cantocosta@stonybrook.edu)

#### **5 Online office hours:**

Office hours will be held in the Zoom Link: <https://stonybrook.zoom.us/my/viniciuscantocosta>, tentatively on Wednesdays, 4:00pm-5:00pm.

#### **6 Homework:**

I will assign a homework for every class on Blackboard. Students should send their homework via Gradescope. You may use this code to register: 864K32. Feedback for homework will be given in the lectures of the following week. The homework assigned on week  $n$  will be due on the Monday of week  $n+1$ . Late homework will not be accepted.

#### **7 Exams:**

There will be a midterm and a final, which are take home exams or timed exams during the regular Zoom meeting time. Take home exam is open book and notes, with the restriction that you may not look things up online or confer with another student. Timed exam will be closed book and closed notes. Calculators and other electronic devices are not allowed in a timed exam.

## **8 Grading:**

Homeworks and quizzes (25%) + Midterm (35%) + Final (40%) = 100%. Students who do not sit for the final exam will not pass this course.

## **9 Absences and other accommodations:**

All excused absences from exams or other class assignments must be brought to the attention of the instructor as soon as possible. In case of an excused absence from an exam, typically the exam will simply not be counted towards total class points, with remaining exams weighted proportionately more. There is no make-up exam.

## **10 Student Accessibility Support Center (SASC) statement:**

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact SASC (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 SASC. For procedures and information go to the following website: <http://www.stonybrook.edu/ehs/fire/disabilities/asp>.

## **11 Academic integrity statement:**

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 instance of academic dishonesty 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>.

## **12 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, and/or inhibits students' ability to learn.

## **13 Course Content**

You may access the class plan on the following link:

<https://tinyurl.com/mat131syllabus>

Please check back every week since the document will be updated consistently based on the class progress.