

# **MAT 132: Calculus II**

## **Spring 2017**

### **About the Course**

This course is a continuation of MAT131. We will cover methods of integration, applications of integrals, sequences and series, and an introduction to differential equations. We will follow chapters 5,6,7,8 from our textbook, Single Variable Calculus (Stony Brook Edition), 4<sup>th</sup> edition, by James Stewart. It is the same textbook that is used for MAT 125/126/131. These topics are essential for studies in mathematics, physical sciences, economics, engineering, and other fields. A good understanding of differential calculus, as well as elementary integration techniques (sections 5.1-5.5 from the textbook) is expected from you. Calculators are not needed for this course. You may use calculators to solve your WebAssign problems, but you may **NOT** use calculators on exams.

### **Homework and Quizzes**

At the beginning of each week, I will post on the course website a short list of practice problems. In the following week you will have a 20-25 minutes quiz, during one of your recitation sessions, which will contain two of the practice problems of the previous week (up to small changes). The first series of quizzes will be given in the week of **February 6**. Solutions for the practice problems will not be published.

You will also be required to submit WebAssign homework online on a weekly basis. WebAssign problems are due on Thursdays at 11:59 pm. The first series will be posted on January 26, and it is due on February 2. Typically, you have one week to work on each series. Please try to work on your homework as soon as possible so that you can use the available resources, in case you need help.

If you have difficulty with understanding a topic or solving a WebAssign/practice problem, I suggest that you meet and discuss it with friends from class, go to your recitation, come to one of the office hours, or go to the Math Learning Center (located in the basement of the Mathematics Tower).

### **Recitations**

Recitation is very valuable. There, your TA will go over the material with you, solve relevant problems, and will be available to answer your questions. This is also where you will take the quizzes every week.

### **Course Website**

Please regularly check the course website at the following address (temporary link):

<http://scholar.harvard.edu/adaemi/mat132>

Practice problems and announcements will be posted on this address.

## Exams

There are two midterms and a final. The schedule is:

|           |                      |                  |
|-----------|----------------------|------------------|
| Midterm 1 | Tuesday, February 21 | 8:45 – 10:15 pm  |
| Midterm 2 | Wednesday, March 29, | 8:45 – 10:15 pm  |
| Final     | Wednesday, May 10,   | 11:15am – 1:45pm |

We **do not** give make up exams but instead replace an exam missed for a valid reason by a grade computed on the balance of the work in the course. **Note that the Midterms are at night, not in the morning!**

## Important Dates

- Classes start on January 23.
- There will be a special midterm I review class on Sunday, February 19.
- There is no class on March 10.
- There are no classes on the week of March 13 because of Spring Break.
- Classes end on May 6.
- You may drop without tuition liability until January 29 at 4:00 pm.
- You may withdraw without a “W” (or add/swap classes) until February 3 at 4:00 pm.
- You may move up or down in MAT/MAP courses until March 3 at 4:00 pm.
- You may withdraw with a “W” or select GPNC until March 24 at 4:00 pm.

## Grades

|                |     |
|----------------|-----|
| WebAssign..... | 10% |
| Quizzes.....   | 10% |
| Midterm 1..... | 25% |
| Midterm 2..... | 25% |
| Final.....     | 30% |

## Professors and Teaching Assistants

|        |      |                  |             |       |                            |
|--------|------|------------------|-------------|-------|----------------------------|
| LEC 01 | MWF  | 10:00am-10:53am  | Harriman    | 137   | Aliakbar Daemi             |
| R01    | MW   | 12:00pm-12:53pm  | Library     | E4320 | Frederik Benirschke        |
| R02    | TuTh | 10:00am-10:53am  | Mathematics | P131  | Juan Ysimura               |
| R03    | TuTh | 8:30am- 9:23am   | Harriman    | 111   | Erik Gallegos Baños        |
| R04    | MW   | 11:00am- 11:53am | Library     | E4310 | Paul Frigge                |
| LEC 02 | MW   | 4:00pm-5:20pm    | Engineering | 145   | Yuanqi Wang                |
| R20    | TuTh | 5:30pm-6:23pm    | Library     | E4330 | Jean-François Arbour       |
| R21    | MW   | 10:00am- 10:53am | Library     | E4330 | Lisandra Hernandez Vazquez |
| R22    | TuTh | 11:30am- 12:23pm | Library     | E4310 | Robert Abramovic           |

## **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 is 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. Faculties 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, and 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.