

## CALCULUS I MAT 131, SPRING 2008

### Prerequisites

In order take Mat 131 you must have either passed Mat 123 or Mat 130 with a C or better, or have received a score of 5 or better on the mathematics placement exam.

### Lecturers:

Lecture 1 (MWF 9:35am-10:30am) Lowell Jones; contact at 632-8248 or at lejones@math.sunysb.edu or come to office in 2-111 math. bldg.; office hours 12:00-1:00pm MWF.

Lecture 2 (TuTh 5:20pm-6:40pm) Qian Wang; contact at 632-4005 or at qwang@math.sunysb.edu or come to office in 4-120 math. bldg.; office hours Th 2:00pm-4:00pm (in 4-120) and Monday 1:00pm-2:00pm (in MLC).

### Recitation leaders:

Recitation 1 (MW 11:45am-12:40pm) Jiansong Chen; contact at jschen@math.sunysb.edu or come to office in 2-106 math. bldg.; office hours are 4pm-5pm Mon in office and 6pm-8pm Tu in MLC.

Recitation 2 (TuTh 3:50pm-4:45pm) Michael Williams; contact at mbw@math.sunysb.edu or come to office in 2-105 math. bldg.; office hours are 1pm-2pm Tu in MLC and 11:30am-12:30pm Fri in 2-105.

Recitation 3 (TuTh 12:50pm-1:45pm) Yasha Savelyev; contact at yasha@math.sunysb.edu or come to office in 3-104 math. bldg.; office hours are 4pm-5pm Th in MLC and 11am Fri in 3-104.

Recitation 6 (TuTh 6:50pm-7:45pm) Noel Rogers; contact at ner@math.sunysb.edu or come to office in 3-122 math. bldg.; office hours are 8pm-9pm Tu and 12-1pm Th in MLC, and 1pm-2pm Wed in 3-122.

There are 3 recitation sections for Lecture 1 (recitations 1,2,3) and there is 1 recitation section for Lecture 2 (recitation 6). Be sure to register for a recitation section belonging to the lecture which you plan to attend.

### Textbook

The textbook for this course is *Single Variable Calculus: Concepts and Contexts (Stony Brook Edition)* by James Stewart (Brooks/Cole 2006, ISBN 0-495-08145-0).

### Course Material

We will cover most of sections 1.1-5.5 in the text; about one section per meeting. (See below for a detailed “Course Schedule”.)

### Homework

See the “Course Schedule” below for a list of all the homework assignments. Homework is assigned for each week and should be handed in the

following week to your recitation leader during the second meeting your recitation for that week. Late homework will not be accepted. However, your home work grade will be based only on your 12 best HW grades out of a total of 15 HW.

**Exams** There are 3 pre-scheduled exams:

Midterm I: Wed 2/27/08, 8:30pm-10:00pm;

Midterm II: Mon 3/31/08 8:30pm-10:00pm;

Final exam: Fri 5/16/08 11:00am-1:30pm.

There will be no make-up exams. If you continue with this course it is with the understanding that you are able to take all of the exams at the scheduled times. If you miss an exam because of illness or a severe personal problem then you must adequately document the reasons for absence; in which case the average of all of your remaining test grades will replace the score for the missed exam.

### **Calculators**

The use of calculators is not premitted during any exam. We also recommend that you try to do all homework problems without the use of a calculator.

### **Grading Policy**

Homework=20%,

Midterm I=25%,

Midterm II=25%,

Final exam=30%.

### **Extra Help**

The Math Learning Center (MLC) is located in Room S-240A in the math. bldg (on the S Floor). The MLC is open for buisness most of each week day.

The lectures and recitation leaders will hold 3 office hours per week. Please ask your lecturer and recitation leader for these times.

### **Disability Support Services (DSS) Statement**

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 at <http://studentaffairs.stonybrook.edu/dss/> . They will determine with you what accomadations 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 got to the following website: <http://www.stonybrook.edu/ehs/fire/disabilities/asp>.

### 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/>.

### 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.

### Course Schedule

**week of 1/28-2/1:** sections 1.1-1.3 and app C (trig functions); HW #1,2,5,6,7,18,20,22,27,28 in 1.1 and #1,3,8,10 in 1.2 and #1,3,5(a)(c),11,14,31,35,37 in 1.3.

**week of 2/4-2/8:** sections 1.5-1.6 and app C (inverse trig functions) and 2.1; HW #7,9,15,18,26 in 1.5 and 1,5-8,22,25,33,38,46,48 in 1.6 and #1(a)(b) in 2.1.

**week of 2/11-2/15:** sections 2.2-2.4; HW #4,6,8,9 in 2.2 and #1,2,5,8,13,18,33 in 2.3 and #4,6,14,15,17,34 in 2.4.

**week of 2/18-2/22:** sections 2.5-2.6; HW #1,4,6,9,17,22,27,28 in 2.5 and #1,5(a)(b),13,14 in 2.6.

**week of 2/25-2/29:** sections 2.7-2.9; HW #2,4,7,13,16,21,24 in 2.7 and #3,6,12,20,34 in 2.8 and #3,5,6,11,16 in 2.9.

**week of 3/3-3/7:** sections 3.1-3.2; HW #5,10,13,20,43,44 in 3.1 and #1,4,11,19 in 3.2.

**week of 3/10-3/14:** sections 3.4 and catchup; HW #2,5,13-15,25, 31,35,36 in 3.4.

**week of 3/17-3/21:** spring recess, no classes

**week of 3/24-3/28:** sections 3.5-3.7; HW #2,3,4,12,43,54 in 3.5 and #4,9,19,30,35 in 3.6 and #4,9,14,23 in 3.7.

**week of 3/31-4/4:** sections 3.8-4.1; HW #8,17,23,28 in 3.8 and #2,4,9,16,20 in 4.1.

**week of 4/7-4/11:** sections 4.2-4.3; HW #5,7,12,24,37,40 in 4.2 and #3,5,8,19 in 4.3.

**week of 4/14-4/18:** sections 4.5-4.7; HW #1,2,10,13,26,31 in 4.5 and #4,6,9,21,24 in 4.6 and #3,6,18 in 4.7.

**week of 4/21-4/25:** (no class Monday) sections 4.8-4.9; HW #5,6,9 in 4.8 and #3,8,13,14,16,29 in 4.9.

**week of 4/28-5/2:** sections 5.1-5.2; HW # 3,4,12 in 5.1 and #17-20,24,25 in 5.2.

**week of 5/5-5/9:** sections 5.3-5.5; HW #2,9,14,15,41,52,56 in 5.3 and #5,8,10,13,20 in 5.4.

**week of 5/12-5/16:** (Monday is last class) section 5.5; HW #1,4,9,14,37,38 in 5.5.