

# VANDERBILT UNIVERSITY

Department of Mathematics

## Math 155A – Calculus

Section: 01,02 - Room: SC 1308 - Time: MWF 8:10-9am

Fall, 2007

4 hours credit

Instructor: Gexin Yu

Office: SC 1406

Office Phone: 343-5629

Office Hours: MWF 10-11am, or by appointment

TA: Adam Dailey-McIlrath (Section 01, T 4:10-5am, SC 1117; Section 02, T 8:35-9:25am, SC 1307)

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**Text:** Calculus, 5th edition, by James Stewart

**Description:** Math 155A is the first semester calculus offering 3 hours credit. The course will address topics involving limit, derivatives, integral, and applications of integrals.

**Goals:**

- (1) to develop a desire and love of the study of mathematics
- (2) to involve the student actively in the study of calculus
- (3) to develop analytic and critical thinking skills
- (4) to adequately prepare the student for further study in the field of mathematics or in related fields of study

**Attendance:** The student who misses a class meeting is responsible for any assignments and/or announcements made. Office hours will not be utilized to re-teach material presented in class. If the student has no more than 2 unexcused absences for classes, the final exam percentage may be substituted for the lowest test score.

**Calculators:** Calculators will not be used.

**Honor Code:** All tests, quizzes and exam will be given using Vanderbilt's Honor Code.

**Accommodation Procedure:** If the student needs course accommodations due to a disability, special arrangements in case the building must be evacuated, or has emergency medical information that needs to be shared with the instructor, contact the instructor as soon as possible. The **Opportunity Development Center** (2-4705) at Vanderbilt provides services for students with disabilities. Specific accommodations can be made for students with either physical disabilities or learning disabilities. Upon receiving appropriate documentation from the student, the Opportunity Development Center will make arrangements with the instructor for the accommodations.

**Complaint Procedure:** If at any time during the semester the student wishes to discuss class procedure, schedule, grades, or any class situation, contact the instructor during regularly scheduled office hours or via email. Both office hours and email address are given above. Any complaint that cannot be resolved directly with the instructor should be referred to the Director of Teaching (Jo Ann Staples in SC1332).

**Homework:** There will be daily homework assignments to complete prior to the next class. Each student should keep all completed assignments in a notebook and bring this notebook to class.

**Homework Help:** Tutored study halls are offered by the department. Complete information concerning time and location will be forwarded to you as soon as it is available. Information about individual tutors will also be forwarded to you as soon as it is available. In addition, the **School of Engineering** provides special help for their students. Engineering students should contact the office of Dean Arthur Overholser (3-3773) in SC5332.

**Quizzes:** Ten quizzes will be given on Tuesdays in TAs' sections. Each quiz will be about 15 minutes with a full score of 12 points. Quiz problems will be similar to the ones in homework, so students are encourage to finish all homework problems.

**Tests:** Four unit tests worth a total of 400 points will be given during the semester. The date of each test is noted in the syllabus. Each of these tests will be given in class. Attendance on these dates is compulsory; otherwise, a grade of zero will be recorded. Any conflict with a test date must be reported to the instructor prior to the test date. If a test is missed and the student has an excused absence, a makeup test will be given. According to the catalog an excused absence is “the excused absence of a student from a scheduled class or laboratory during which an examination, quiz, or other graded exercise is given. Examples include participation in sponsored University activities (e.g., debate team, varsity sports), observance of officially designated religious holidays, serious personal problems, academic training (e.g. graduate or professional school interviews). ... conflicts arising from personal travel plans or social obligations do not qualify as excused absences.”

**Final Examination:**

A 200 points final examination will be given on Saturday, Dec 15, 9am or Wednesday, Dec 18, 12pm at Stevenson Center.

**Grading Procedure:** Each student will have the following five scores. The total number of possible points for the semester is 620. Final grades for the course will be assigned by the department.

Quizzes/Assignments	120	(possible 10 points extra credit)
Test 1, 2, 3	400	
Final	200	

**Grading Scale:**

A	93 -	100 %
A-	90 -	92 %
B+	87 -	89 %
B	83 -	86 %
B-	80 -	82 %
C+	77 -	79 %
C	73 -	76 %
C-	70 -	72 %
D+	67 -	69 %
D	63 -	66 %
D-	60 -	62 %
F	below	60 %

**Grading Questions:** Questions concerning the grading of a unit test must be written on the back of the test and presented to the instructor at the end of class on the day the test is returned. These questions will be reviewed by a committee of instructors.

**Test Dates:**

Monday, Sept 17  
Monday, Oct 8  
Wednesday, Oct 31  
Monday, Nov 26  
Saturday, Dec 15 (final exam)