

VANDERBILT UNIVERSITY
Department of Mathematics
Math 155B – Calculus

Section: 10

Room: SC 1320

Time: MWF 11:10a-12:00p

Spring, 2013

4 hours credit

Instructor: Jesse Peterson
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Office: SC 1414
Office Hours: Mondays 10:10a-11:00a
Wednesdays 1:00p-2:40p

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Website: <http://www.math.vanderbilt.edu/~peters10/teaching/spring2013/math155B.html>

Text: Calculus, 7th edition, by James Stewart

Prerequisite and Description: Math 155B is the second semester accelerated calculus offering 4 hours credit. The course covers single variable integration; integration and differentiation techniques for exponential, logarithmic, and other transcendental functions; arc length, surface area, and other applications of integration; separable differential equations and applications; parametric plane curves; polar coordinates and applications; conic sections; and infinite sequences and series.

Calculators: Calculators will not be used in this course.

Classroom Policy: Students are not allowed to use electronic equipment such as cell phones, music players, or computers during class. Texting during class is not acceptable.

Honor Code: All work submitted for credit must be the student's own and is subject to the provisions of the Vanderbilt Honor Code. Details can be found at the Honor Council web site (<http://studentorgs.vanderbilt.edu/HonorCouncil/>).

Accommodation Procedure: A student who 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, should contact the instructor as soon as possible. **Equal Opportunity, Affirmative Action, and Disability Services** (2-4705 or <http://www.vanderbilt.edu/ead>) at Vanderbilt provides specific accommodations for students with physical 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 (John Rafter in SC1332).

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. The stated attendance policy of the College of Arts and Science applies in this course: *Students are expected to attend all scheduled meetings of classes in which they are enrolled; they have an obligation to contribute to the academic performance of all students by full participation in the work of each class. ... The faculty of the College of Arts and Science recognizes that occasions arise during the academic year that merit 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 (e.g., serious illness, death of a member of the student's family), and matters relating to the student's academic training (e.g., graduate or professional school interviews). Conflicts arising from personal travel plans or social obligations do not qualify as excused absences.

Homework: Daily homework assignments are listed on the syllabus and should be completed prior to the next class. Each student should keep all completed assignments in a notebook and bring this notebook to class.

Homework Help: Individual instructors and TAs have regularly scheduled office hours to answer students' questions outside of class. The Department of Mathematics also sponsors drop-in tutored study halls in the math building that will start during the second week of classes. The Tutoring Services Office of the College of Arts and Science offers free individual tutoring and other related services. Information can be found on their web site at <http://www.vanderbilt.edu/cas/supportservices/tutoringservices/index.php>

Tuesday /Thursday Discussion Sessions: TAs will conduct the discussion hour for this course on Tuesday, or Thursday. Sessions will involve answering questions over homework problems, quizzes, or tests, administering quizzes, completing worksheets, and occasionally covering new material. Discussion is the fourth hour of a four-hour class, so attendance is expected.

Tests: Four 100-point unit tests will be given during the semester. The date of each test is posted on the syllabus. Attendance on these dates is compulsory; otherwise, a grade of zero will be recorded. Any excused, documented conflict with a test date must be reported to the instructor prior to the test date. Tests can only be taken on test dates. Under no circumstances will a test be given on an alternate date. If a test is missed with an excused absence, the final exam percentage will be substituted for the missed test. If a student misses two or more tests with an excused absence, the make ups will be handled on a case by case basis. Students who do not miss any tests with excused absences will be allowed to replace their lowest test score with the average of that test and the final exam percentage if it is to their advantage.

Final Examination: A 150-point comprehensive final examination will be given on Wednesday, May 1st from 7-9pm. **No alternate exam will be given.**

Grading Procedure: Each student will have the following six scores. The total number of possible points for the semester is 700.

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| Quizzes/Problem Sets | 150 |
| Test 1 | 100 |
| Test 2 | 100 |
| Test 3 | 100 |
| Test 4 | 100 |
| Final | 150 |

Letter grades will be based on a general 10-point scale, where 90-100 guarantees a grade in the A range, 80-89 B range, 70-79 C range, 60-69 D range, with plus or minus grades assigned as appropriate.

Test Dates: All unit tests will be given on Thursday nights from 7:00 – 8:15