

Vanderbilt University
MAT 155 B Fall 12, Lectures 04 and 13
Instructor: Marcelo Disconzi (marcelo.disconzi@vanderbilt.edu)

1. LECTURE

Lecture Instructor: Marcelo Disconzi. Office: Stevenson Center 1222. Office Phone: 322-1998.
email: marcelo.disconzi@vanderbilt.edu.
Course webpage:
www.disconzi.net/Teaching/MAT155B-Fall-12/MAT155B-Fall-12.html
Office hours: Mon and Wed 8:45-9:45am, and Mon 1:30-2:30pm (subject to change).
Math Office: Stevenson Center 1326.

2. RECITATION

Recitation Instructor (TA): William Young. Office: Stevenson Center 1227J.
Sections: 05, 06, 14 and 15.
Room: Stevenson Center 1313 (sections 05 and 06), Stevenson Center 1120 (sections 14 and 15).
Time: Thu 8:10-9am (section 05), 9:10-10am (section 06), 2:10-3pm (section 14) 3:10-4pm (section 15).
email: william.j.young@vanderbilt.edu.
Office hours: Tue 1-2pm and Wed 1-3pm.

3. COURSE INFORMATION

3.1. **Textbook.** *Calculus*, 7th edition, by James Stewart.

3.2. **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.

4. GRADING POLICY AND EXAMS DATES

Description	Date	Points
Test 1	Thursday, September 13, 7:00-8:15pm (location TBA)	100
Test 2	Thursday, October 11, 7:00-8:15pm (location TBA)	100
Test 3	Thursday, November 1, 7:00-8:15pm (location TBA)	100
Test 4	Thursday, November 29, 7:00-8:15pm (location TBA)	100
Final	Friday, December 14, 7:00-9:00pm (location TBA)	150
Quizzes	see schedule below	80
Problem Sets	to be announced in class	70
TOTAL		700

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.

5. SCHEDULE¹

Lesson	Date	Sections	HW Problems
1	Wednesday, August 22	Intro, Review	1.6: 13,15,21,22,25 1.8: 19,20,21,37,45 2.5: 19,29,35,45,49 2.6: 15,17,31 3.4: 13,19 29,33,35 4.5: 13-29(odd), 35-43(odd),49 Chapter 4 Review: 13,17,21,25,27 Chapter 5 Review: 1,7,11,13,15
2	Thursday, August 23	Recitation Session	
3	Friday, August 24	6.1	6.1: 3-11(odd), 20b,23,25,27,31,35c,36c,37c
4	Monday, August 27	6.2*	6.2*: 1-9(odd), 15, 17-43(odd),49,61-73(odd)
5	Wednesday, August 29	6.3*	6.3*: 3-15(odd),23-53(odd), 59, 67 71,81,85,91,95
6	Thursday, August 30	Recitation Session	Quiz
7	Friday, August 31	6.4*	6.4*: 1-9(odd),21-51(odd),57
8	Monday, September 3	6.5	6.5: 3,4,8,9,10,13,19
9	Wednesday, September 5	6.6	6.6: 1-14(all), 19,23-33(odd),37,43,45 59-69(odd)
10	Thursday, September 6	Recitation Session	Quiz
11	Friday, September 7	6.7	6.7: 1-9(odd), 15,17,31-41(odd), 59,61,63
		6.8	6.8: 1-31(odd), 41-51(odd)
12	Monday, September 10	6.8	6.8: 55-65(odd)
13	Wednesday, September 12	7.1	7.1: 3-35(odd), 39,51
14	Thursday, September 13	Recitation Session	
	Thursday, September 13	Test 1 7:00-8:15pm	
15	Friday, September 14	NO CLASS	
16	Monday, September 17	7.2	7.2: 3-41(odd)
17	Wednesday, September 19	7.3	7.3: 1-17(odd), 18,21-26(all),28,29
18	Thursday, September 20	Recitation Session	Quiz
19	Friday, September 21	7.4	7.4: 1-7(all), 9,11,15-20(all)
20	Monday, September 24	7.4, 7.5	7.4: 21-51(odd) 7.5: 1-23(odd), 29,33,39 41,45,49,56,57,63, 65,71,75
21	Wednesday, September 26	7.8	7.8: 5-25(odd)
22	Thursday, September 27	Recitation Session	Quiz
23	Friday, September 28	7.8, 8.1	7.8: 27-37(odd),49-54(all)
24	Monday, October 1	8.1, 8.2	8.1: 1-13(odd), 18 8.2: 1-15(odd), 25
25	Wednesday, October 3	8.3	8.3: 3-13(odd)
26	Monday, October 8	8.3, 8.4	8.3: 23-33(odd) 8.4: 3,5,7,9,13,16,17
27	Wednesday, October 10	9.3	9.3: 3,5,7,13,15,17,19,21,31,39
28	Thursday, October 11	Recitation Session	
	Thursday, October 11	Test 2 7:00-8:15pm	
29	Friday, October 12	NO CLASS	

¹This is *tentative*. See the webpage for an up-to-date schedule.

Lesson	Date	Sections	HW Problems
30	Monday, October 15	9.4 11.1	9.4: 3,7,11,17,19 11.1: 1-55(odd),73
31	Wednesday, October 17	11.2	11.2: 1-41(odd)
32	Thursday, October 18	Recitation Session	Quiz
33	Friday, October 19	11.2	11.2: 43-47 (odd), 51-63(odd)
34	Monday, October 22	11.3	11.3: 1-29(odd)
35	Wednesday, October 24	11.4	11.4: 1-31(odd)
36	Thursday, October 25	Recitation Session	Quiz
37	Friday, October 26	11.5	11.5: 3-19(odd)
38	Monday, October 29	11.6	11.6: 5-23(odd)
39	Wednesday, October 31	11.7	11.7: 1-37(odd)
40	Thursday, November 1	Recitation Session	
	Thursday, November 1	Test 3 7:00-8:15pm	
41	Friday, November 2	NO CLASS	
42	Monday, November 5	11.8	11.8: 1-29(odd)
43	Wednesday, November 7	11.9	11.9: 3-17(odd), 25
44	Thursday, November 8	Recitation Session	Quiz
45	Friday, November 9	11.10	11.10: 5,9,13,17,19,27,33,35,49,57,59,63
46	Monday, November 12	10.1	10.1: 3,4,7,9,13,15,17,21,24,33
47	Wednesday, November 14	10.2	10.2: 1-19 (odd),25,29,31,37,39,41,57,61
48	Thursday, November 15	Recitation Session	Quiz
49	Friday, November 16	10.3	10.3: 1-21(odd),25,29-47(odd), 57,61
50	Monday, November 26	10.4	10.4: 3-11(odd),19-33(odd), 41,45,47
51	Wednesday, November 28	10.5	10.4: 1-23(odd),27,29,33,35,37,41-47(odd)
52	Thursday, November 29	Recitation Session	
	Thursday, November 29	Test 4 7:00-8:15pm	
53	Friday, November 30	NO CLASS	
54	Monday, December 3	10.6	10.6: 1-15(odd)
55	Wednesday, December 5	Review for final	
56	Thursday, December 6	Review for final	
	Friday, December 14	Final Exam 7:00-9pm	

6. ANONYMOUS FEEDBACK

Students are encouraged to bring suggestions and to discuss with me any concerns they may have. But if you don't feel comfortable about seeing your instructor to talk about something you think is not being properly handled in the course, you have the opportunity to send us some anonymous feedback at the course webpage.

7. COURSE POLICIES

7.1. Calculators: Calculators will not be used in this course.

7.2. **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.

7.3. **Honor Code:** All work submitted for credit must be the students 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>.

7.4. **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.

7.5. **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).

7.6. **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 students family), and matters relating to the students academic training (e.g., graduate or professional school interviews). Conflicts arising from personal travel plans or social obligations do not qualify as excused absences.

7.7. **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>.

7.8. **Tests:** Attendance to tests and the final exam 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.