

**Vanderbilt University**  
MATH 2300, Lecture 1, Fall 16

1. LECTURE AND INSTRUCTOR

**Instructor:** Marcelo Disconzi.

**Instructor's office:** Stevenson Center 1515.

**Instructor's office phone:** 322-7147.

**Instructor's email:** marcelo.disconzi@vanderbilt.edu.

**Lecture time and location:** MWF, 08:10–09:00am, Stevenson Center 1431.

**Course webpage:**

<http://www.disconzi.net/Teaching/MAT2300-Fall-16/MAT2300-Fall-16.html>

**Instructor's office hours:** Wednesdays 9:15am–12:15pm, or by appointment.

2. COURSE INFORMATION

2.1. **Textbook.** *Calculus*, by James Stewart, 8th edition.

2.2. **Description.** Chapters 12 to 16 of the textbook: vectors, curves, and surfaces in space. Functions of several variables, partial derivatives, multiple integrals. Vector integral calculus, including line and surface integrals.

3. GRADING POLICY AND EXAMS DATES

The course will have two exams, each constituting 22.5% of the grade, one final exam constituting 35% of the grade, and homework assignments constituting 20% of the grade. You will be allowed to take a make-up test only in very special circumstances. If you miss an exam, contact the instructor as soon as possible.

**Homework will be assigned on a regular basis and must be turned in on the date specified on the course webpage.** See section Schedule below for a list of the problems that must be turned in. Among all assigned problems, a small subset will be graded for accuracy, and that will count toward 50% of the homework score. The other 50% of the homework grade will be based on the remaining problems where students have to show a genuine attempt to find a solution, although these problems will not be checked for accuracy. Notice that you will not be told ahead of time which problems will be strictly graded, and, therefore, you ought to show detailed work in all homework questions.

Extra credit work may be assigned. Extra credit assignments will not carry a specific number of points towards your total grade, *unless otherwise specified*. The primary goal of such extra assignments is to help the course instructor decide on borderline cases. For example, suppose your final grade corresponds to a B+, but it is sufficiently close to the cutoff for an A-. In such a case, having done all or most of the extra credit problems may lead the instructor to decide that you deserve a little boost in your grade, giving you an A-.

If this policy is not clear, please talk to your instructor during his office hours.

Description	Date and Location	Points
Test 1	Oct 12, in class	22.5
Test 2	Nov 18, in class	22.5
Final Exam	Dec 13, 3pm, location TBA	35
HW	to be posted on the webpage	20
<b>TOTAL</b>		<b>100</b>

**Important:** There will be no alternate time for the Final Exam.

**3.1. Homework problems and schedule.** An up-to-date schedule that includes the due date of homework assignments will be maintained on the course webpage.

#### 4. COURSE POLICIES

**4.1. Calculators.** Calculators will not be used on the tests.

**4.2. 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.

**4.3. 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>.

**4.4. Classroom recording policy.** The use of technologies for audio and video recording of lectures and other classroom activities is allowed only with the express permission of the instructor. In cases where recordings are allowed, such content is restricted to personal use only unless permission is expressly granted in writing by the instructor and by other classroom participants, including other students. Personal use is defined as use by an individual student for the purpose of studying or completing course assignments. When students have permission for personal use of recordings, they must still obtain written permission from the instructor to share recordings with others.

**4.5. 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 (<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 EAD will make arrangements with the instructor for the accommodations.

**4.6. 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.

**4.7. Anonymous feedback.** Students are encouraged to bring suggestions and to discuss with the course instructor any concerns they may have, including something they think is not being properly handled in the course. If you do not feel comfortable doing that, you have the opportunity to send some anonymous feedback on the course webpage.

## 5. SCHEDULE

Below is a *tentative* schedule. An up-to-date schedule will be maintained in the course webpage. The list of problems for each section, however, is as indicated here and will not change. All problems are from the textbook.

Date	Sections	Problems
W, Aug 24	12.1	<b>12.1:</b> 3, 5, 10, 11, 13, 16, 20, 21, 27, 28, 29, 33
F, Aug 26	12.2	<b>12.2:</b> 1, 3, 5, 11, 13, 21, 25, 26, 30
M, Aug 29	12.3	<b>12.3:</b> 1, 7, 12, 17, 23, 25, 27, 41, 43, 45, 53, 61, 62, 64, 65
W, Aug 31	12.4	<b>12.4:</b> 1, 5, 7, 9, 11, 13, 15, 25, 27, 29, 35, 43, 48, 53
F, Sept 2	12.5	<b>12.5:</b> 1, 3, 4, 5, 7, 13, 18, 19, 25, 29, 33, 35, 48, 57, 63, 64, 75
M, Sept 5	12.6	<b>12.6:</b> 1, 3, 5, 7, 9, 11, 13, 15, 23, 25, 26, 27, 28, 45
W, Sept 7	13.1	<b>13.1:</b> 1, 6, 11, 13, 14, 17, 21–26, 27, 29, 45
	Last day to drop a class with no entry on the record	
F, Sept 9	13.2	<b>13.2:</b> 6, 13, 16, 19, 21, 23, 25, 33, 37, 53
M, Sept 12	13.3	<b>13.3:</b> 1, 3, 5, 13, 16, 19, 21, 42, 47, 49, 59
W, Sept 14	13.4	<b>13.4:</b> 5, 16, 19, 22, 25, 35, 37
F, Sept 16	14.1	<b>14.1:</b> 13, 22, 23, 25, 29, 32, 43, 45, 67, 71
M, Sept 19	14.2	<b>14.2:</b> 1, 7, 9, 11, 13–17, 25, 35, 37, 39, 40, 45
W, Sept 21	14.3	<b>14.3:</b> 5, 6, 13–39 odd, 52, 45, 55, 61, 66, 77, 78, 79, 80, 81, 88
F, Sept 23	14.4	<b>14.4:</b> 1, 4, 11, 17, 21
M, Sept 26	14.5	<b>14.5:</b> 3, 7, 11, 17, 23, 27, 49, 55
W, Sept 28	14.6	<b>14.6:</b> 7, 9, 15, 16, 21, 23, 32, 37, 41, 45, 51, 70
F, Sept 30	14.7	<b>14.7:</b> 1, 9, 11, 13, 31, 33, 35, 39, 41, 43
M, Oct 3	14.8	<b>14.8:</b> 3, 5, 16
W, Oct 5	15.1, 15.2	<b>15.1:</b> 9, 15, 16 <b>15.2:</b> 3, 5, 9, 11, 17, 19, 21, 23, 25, 27, 35
F, Oct 7	15.3	<b>15.3:</b> 1, 4, 5, 9, 17, 21, 23, 25, 28, 29
M, Oct 10	15.4	<b>15.4:</b> 3, 10
W, Oct 12	Test 1	
Oct 13–14	Fall break	
M, Oct 17	15.6	<b>15.6:</b> 3, 5, 7, 11, 13, 17, 21, 29, 30, 33, 34, 35, 39, 48
W, Oct 19	15.7	<b>15.7:</b> 1, 3, 7, 11, 15, 17–25 odd, 29
F, Oct 21	15.8	<b>15.8:</b> 1, 3, 7, 11, 15, 19, 21–27 odd, 35, 37, 41
	Last day students may withdraw from classes	
M, Oct 24	15.9	<b>15.9:</b> 3, 7, 11, 15
W, Oct 26	16.1	<b>16.1:</b> 1, 3, 11–18, 21, 24, 29–31
F, Oct 28	16.2	<b>16.2:</b> 7, 9, 11, 19, 21, 39, 42, 52
M, Oct 31	16.3	
W, Nov 2	16.3	<b>16.3:</b> 3, 5, 7, 13, 15, 23, 29, 30, 35
F, Nov 4	16.4	<b>16.4:</b> 1, 3, 7, 11, 13, 17, 22
M, Nov 7	16.5	<b>16.5:</b> 1, 5, 12, 13, 17, 19, 25, 26, 29, 32, 33, 34, 38
W, Nov 9	16.6	
F, Nov 11	16.6	<b>16.6:</b> 1–6, 13–18, 19–25 odd, 33, 39, 45, 47, 62
M, Nov 14	16.7	
W, Nov 16	16.7	<b>16.7:</b> 5, 7, 9, 15, 21, 23, 29, 32, 45
F, Nov 18	Test 2	
Nov 19–27	Thanksgiving holidays	
M, Nov 28	16.8	<b>16.8:</b> 3, 5, 7, 13
W, Nov 30	16.9	<b>16.9:</b> 3, 5, 7, 10, 25, 27, 28, 29, 30
F, Dec 2	16.10	
M, Dec 5	Review	
W, Dec 7	Review	
T, Dec 13	Final exam	