

Mathematics 120, Spring Semester 1996-97

Are you in the right course?

Math 119-120 is intended for students planning to enter pre-professional or biology programs. **It is not intended for students who intend to major in engineering, physics, mathematics, or most of the chemistry programs. Those majors require Math 125-126.** Math 120 is the continuation of Math 119; you must have 119 or its equivalent in order to be in this course.

Instructor: Professor Juan Migliore
364 CCMB (On Juniper, just south of the library)
Phone: 631-7345
Office Hours: Monday 1:15–2:15
Wednesday 1:15-2:15
Or by appointment.

Tutorial Instructor: Paul Weiner
336 CCMB
(Paul Weiner will also have office hours; these will be announced soon.)

Text: Single Variable Calculus (third edition), by James Stewart
You should also purchase the Math 120 supplement from the Copy Shop in Lafortune.

Classes, Tutorials and Help Sessions

Class meets at 10:10 AM MWF in Nieuwland 123. Students are required to attend these classes.

Each student is also assigned to a Thursday tutorial section. *It is your responsibility to know the time, place and section number of your tutorial section. You are not allowed to change tutorials.* At the tutorial, the previous week's homework will be returned. Students will then be encouraged to ask questions about that homework or about the current homework. The purpose of the tutorial is to help students master the material currently being covered.

In addition to the tutorials, the professor and the TA will have office hours each week at which you can get assistance in understanding the course work and doing the homework problems. The time of the TA's office hours will be announced soon.

In previous years, prepared overhead transparencies were used for this course. Copies of these, just as they appeared on the screen during the lectures, will be available in the reserve room of the Hesburgh library and in the Freshman Learning Resource Center. This course will roughly follow these notes, so they are a useful study guide.

Examinations, homework and grades

There will be three one-hour examinations and one final examination (whose dates and times are listed below). Each one-hour exam will be worth 100 points. The final exam is a two-hour exam and will be worth 150 points. The final exam will cover all the material of the course. Homework grades will be scaled at the end of the semester so that there will be a total of 50 possible points for homework. So the total number of possible points for the semester is 500. Exams will be returned at the following tutorial session.

Homework will be due at the Thursday tutorial and returned the following week. Two or three assignments will be due each Thursday; specific assignments due each week will be announced in that week's lectures.

The main purpose of collecting and returning homework is to let you know if you have done the work correctly and, if not, how to do it. The homework grade (50 points out of a total of 500) is designed to reward effort. Each problem is graded either 0 (if missing or complete nonsense) or 1 (for any honest attempt). So the total number of points on any assignment is simply the number of problems honestly attempted.

Both examinations and homework are conducted under the honor code. While cooperation in doing homework is permitted (and encouraged), copying is not. Exams are closed book and are to be done completely by yourself with no help from others.

A student who misses an examination will receive zero points for that exam unless he or she has written permission from the Dean of the First Year of Studies. (An excuse is almost certainly not going to be accepted if it is presented after the exam takes place.) Please be aware that travel plans are not considered to be a valid excuse by the Dean of the First year of Studies!

Exams

	Date	Time
Exam 1	Tuesday, February 11, 1997	8:00 - 9:00 AM
Exam 2	Thursday, March 6, 1997	8:00 - 9:00 AM
Exam 3	Thursday, April 17, 1997	8:00 - 9:00 AM
Final	Thursday, May 8, 1997	1:45 - 3:45 PM

(Location of exams will be announced later.) **Notice that the second exam is two days before the beginning of Spring Break!!**

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HOMEWORK ASSIGNMENTS

Number	Assignment
1	p. 280 # 23, 24, 26, 36, 37, 44-48
2	p. 291 # 63-66, 69-72, 74, 79, 80
3	p. 300 # 2-4, 8, 9, 14, 17, 18, 21, 24-27, 30, 45, 49
4	p. 313 # 1-8, 19-21, 29
5	p. 324 # 1-4, 7, 9, 21-24, 31, 32, 34, 35, 48, 49
6	p. 330 # 3-6, 9-11, 17-20, 21, 22, 35, 36
7	p. 334 # 1, 2, 4, 6, 7, 9, 10-17, 25, 26
8	p. 337 # 1, 2, 4, 5, 6, 13, 14, 17, 18
9	Supplementary Set 1, # 1-4 (Correction for #8: delete first sentence and change second sentence to "...do prob. 21 on p. 365.") p. 358 # 13, 14, 17-20
10	p. 358 # 5, 27, 31, 35, 39-41, 43, 44, 46
11	p. 359 # 57, 59, 60, 67-69, 72-74, 79
12	Supplementary Set 1, # 5-8 p. 365 # 5-10, 13, 14
13	p. 365 # 35, 42-45, 47, 51, 55-57, 61, 62, 81, 82, 85 (use calculator for 55-57 and 61, 62; others without)
14	p. 374 # 1, 4, 5, 7, 8, 13, 15, 16, 18, 23, 45, 46, 49
15	p. 375 # 27, 29, 31, 50, 67-71, 73-75, 77, 85, 87, 88, 92
16	Supplementary Set 1, # 9-15
17	p. 402 # 3, 4, 8-10, 13, 20
18	p. 427 # 1, 5-7, 19, 20, 25, 39, 40, 47, 55, 56
19	p. 441 # 1-5, 11-14, 17, 18 (Section 7.1; ignore example 5)
20	p. 441 # 24, 27, 29, 31, 33, 37 p. 448 # 1, 2, 4
21	p. 463 # 1-5, 7, 8, 26, 29, 30, 62, 63 (Section 7.4 thru Example 4)
22	Supplementary Set 2, # 1-14
23	p. 454 1, 2, 7, 8, 17, 18 Supplementary Set 2, # 15-18
24	p. 519 # 1, 3, 5, 17-20 (Section 8.2 thru Example 3a)
25	p. 531 # 2-6, 8-12
26	Supplementary Set 4.1, # 1-10
27	Supplementary Set 4.1, # 11-16
28	Supplementary Set 4.2, # 1-7
29	Supplementary Set 4.2, # 8-15
30	Supplementary Set 4.3, all
31	Supplementary Set 4.4, # 1-10
32	Supplementary Set 4.4, # 11-14
33	Supplementary Set 4.5, # 1, 3, 4, 5
34	Supplementary Set 4.5, # 2, 6, 7, 8