

Course	Dates	Time	Location
MATH122 – 03	1/22/10 – 5/5/10	MWF 9:00 – 9:50am	141 Exley Science Center

Instructor: Scott Schneider

Course website: <http://www.math.rutgers.edu/~scottsch/122.html>

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Office: 615 Exley Science Center Tower

Office hours: T 12–2pm, W 3:30–5:30pm, and by appointment

Text: *Calculus: One Variable*, by Salas, Hille, and Etgen

Course Description: This course is a continuation of MATH121. Prerequisites include familiarity with functions, limits, and differential and integral calculus at the level of MATH121. This course will treat the calculus of exponential, logarithmic, trigonometric, and inverse trigonometric functions; techniques and applications of integration; and sequences and series, including power series and intervals of convergence. Theoretical aspects are not the main focus but will not be avoided. This course will train students in classical quantitative techniques and develop their ability to reason logically through exposure to mathematical arguments.

Course Structure: There will be three in-class midterm exams and a cumulative final exam. Homework will be assigned regularly and will be collected for grading periodically throughout the semester. I will announce homework assignments in class and post them on the class website. Each of the three midterms will be worth 15% of your grade. The final exam will be worth 30%, and homework 25%. The following is a TENTATIVE schedule of lecture material. Please keep up with the readings by reading each section in the textbook around the time I lecture on it. You will be responsible for all of the material covered in lecture and in the sections of the book that are assigned.

Day	Date	Sections	Day	Date	Sections
			Mon	1/25	Ch 5 Review
			Wed	1/27	5.9
Fri	1/22	Introduction	Fri	1/29	6.1
Mon	2/1	6.2	Mon	2/8	7.2
Wed	2/3	6.3	Wed	2/10	7.3
Fri	2/5	7.1	Fri	2/12	7.4
Mon	2/15	7.5	Mon	2/22	FIRST MIDTERM
Wed	2/17	7.6	Wed	2/24	8.1
Fri	2/19	7.7	Fri	2/26	8.2
Mon	3/1	8.3	Mon	3/22	8.6
Wed	3/3	8.4	Wed	3/24	11.1, 11.2
Fri	3/5	8.5	Fri	3/26	11.3
Mon	3/29	SECOND MIDTERM	Mon	4/5	11.6
Wed	3/31	11.3, 11.4	Wed	4/7	11.7
Fri	4/2	11.5	Fri	4/9	12.1, 12.2
Mon	4/12	12.2	Mon	4/19	12.4
Wed	4/14	12.3	Wed	4/21	12.5
Fri	4/16	12.3, 12.4	Fri	4/23	THIRD MIDTERM
Mon	4/26	12.6	Mon	5/3	12.8, 12.9
Wed	4/28	12.6, 12.7	Wed	5/5	12.9
Fri	4/30	12.7, 12.8	Wed	5/12	FINAL EXAM