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Course Assistants:

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Course Website: Office and discussion hours, practice exams, solutions, etc., posted at
www.utahmath.net then click on class. Sign in with *username:* student *password:* infinity

Office Hours: See course website for times when instructor or assistants are available in
their offices. The instructor is usually available for help after 1210-3, ending at 11:35 am.
There will be a review session on Wednesday evening before every exam.

Discussion Hours: See course website for the times and places of classroom discussion
sessions for help with homework, webwork issues, course administration, etc.

Text: *Calculus*, 9th Edition, D. Varberg, E. J. Purcell and S. E. Rigdon

Course Description: Mathematics 1210 is an introduction to differential and integral
calculus. Limits, derivatives, and integrals are developed as tools to analyze the properties of
functions. Applications include motion and rates of change, optimization and approximation
methods, differential equations, and the calculation of areas, volumes, and lengths.

Course Outline:

August	23-25	PDF	Polynomial Calculus	
	28-1			
September	5-8	0.1-0.7	Real Numbers and Functions	
	11-15	1.1-1.5	Limits	
	18-22	1.6, 2.2	Continuity, The Derivative	EXAM I (Sept. 22)
	25-29	2.3-2.6	Finding Derivatives	
October	2-4	2.7-2.9	Applications of Derivatives	
	9-13	3.1-3.4	Maxima and Minima	
	16-20	3.5-3.7	Graphing, Mean Value Theorem	EXAM II (Oct. 20)
	23-27	8.1	Indeterminate Forms	
	30-3	3.8-3.9	Antiderivatives and Diff. Eqs.	
November	6-10	4.1-4.2	Riemann Sums and Integrals	
	13-17	4.3-4.4	Fundamental Theorem of Calculus	EXAM III (Nov. 17)
	20-22	4.5-4.6	Properties of Integrals	
	27-1	5.1-5.4	Areas, Volumes, Lengths	
December	4-7	5.5-5.7	Work, Moments, Probability	
	11-13			FINAL EXAM

Grades and Exams:

- (50%) Your two best scores on three in-class exams – with the lowest score dropped, and NO make-up exams. You may bring one sheet of paper and a calculator to any exam, but NO laptops or wireless devices. Please bring University ID to all exams.
- (25%) Final exam.
- (25%) WeBWorK assignments.

Getting Help.

- **Setting up a webwork account:** In class you'll be given information on how to get into your own Webwork account. If you encounter a problem after trying this, please contact Mike Purcell or Sandy Hiskey and give your full name, course number and section, and your student ID number.
- **Webwork feedback button:** Please use the feedback button within each exercise for a specific question – all relevant data will be sent with your question.
- **Course material and homework:** Please see the instructor or assistants for help in understanding the material and with solving the homework.
- **Free tutoring:** Available all day M-F in the Undergraduate Math Center.