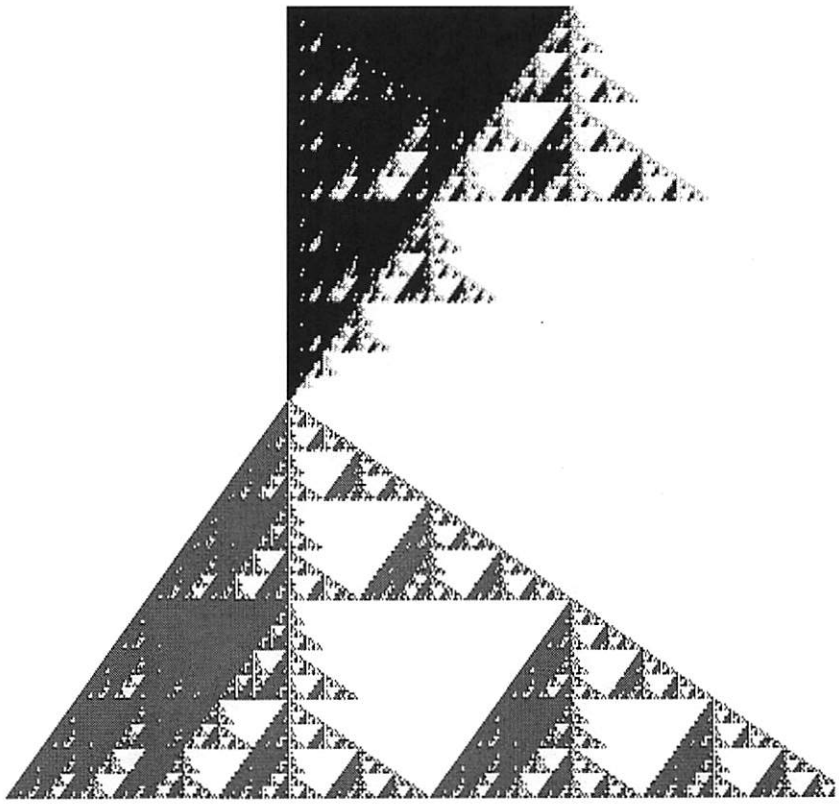
Math 1132
Fall 2009

UCONN



Professors
Thomas Defranco
Paul Ellis
Andrew Haas (coordinator)

Course Information
Instructor and TA information
Homework and WebAssign
Text and WebAssign
Exams and Grading
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Class News

Links to Resources
Q-Center
Webassign login
Practice exams
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More final review problems

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Academic integrity
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Mathematics Department

Course Overview

Math 1132 is the mainstream second semester calculus course, covering integration, applications ofintegration, series and sequences, parametric curves and calculus in polar coordinates. It is assumed that students have a thorough background in precalculus subjects, differential calculus and beginning integral calculus; including the definition of the integral, the Fundamental Theorem of Calculus, basic techniques ofintegration and the calculation ofareas between curves. These last subjects will be reviewed--*rapidly*--at the beginning ofthe course.

The course is taught in three lectures and many small discussion sections. All ofthe sections share the same text, course outline, midterms and final exams but may differ in some details. Each Professors name above is linked to a webpage that contains important information for students in their lecture section. The other links above, provide information about components of the course that are common to all sections.

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Math 1132 Outline - Fall 2009

(*Calculus, Early Transcendentals,* by James Stewart 6th Edition)

Week	Date	Section	Topic
1	8/31	5.2	Definite Integral
		5.3	Fundamental Theorem of Calculus
		5.4	Indefinite Integrals
		5.5	Substitution
2	9/7	No Class	Labor Day
	9/8	6.1	Areas between Curves
		6.2-6.3	Volumes
3	9/14	6.4	Work
		6.5	Average Value
		7.1	Integration by Parts
4	9/21	7.2	Trigonometric Integrals
		7.3	Trigonometric Substitution
5	9/28	7.4	Partial Fractions
		7.5	Strategies
		7.8	Improper Integrals
		---	Review Exam 1
6	10/5	---	Review Exam 1
	10/6	Exam 1	6-8 PM **Rooms**
		11.1	Sequences
		11.2	Series
7	10/12	11.2	Series continued
		11.3	Integral Test
		11.4	Comparison Test
8	10/19	11.4	Comparison Test continued
		11.5	Alternating Series
		11.6	Ratio & Root Tests
9	10/26	11.7	Strategies
		11.8	Power Series
		11.9	Representation of Functions as Power Series
10	11/2	11.10	Taylor Series
		8.1	Arc Length
		---	Review for Exam 2
11	11/9		Review for Exam 2
	11/10	Exam 2	6-8 PM **Rooms**

		8.3	Applications to Physics and Engineering
12	11/16	8.5	Probability
		10.1	Curves Defined by Parametric Equations
		10.2	Calculus with Parametric Curves
11/24	No Class	Thanksgiving Recess	
13	11/30	10.2	Calculus with Parametric Curves continued
		10.3	Polar Coordinates
		10.4	Areas & Arc Lengths in Polar Coordinates
14	12/7	Appendix H	Complex Numbers
		---	Review for final exam