

MATH 112 A & B

Calculus II

Spring 2008

Professor: Allen Mann
Office: 206 McGregory
Office Hours: MWRF 10:20–11:10 or by appointment
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Web: <http://math.colgate.edu/math112/math112AB.html>

Lecture: MATH 112 A MWRF 8:20–9:10 214 McGregory
 MATH 112 B MWRF 9:20–10:10 214 McGregory

Course Description: A continuation of the study of calculus begun in MATH 111, including the calculus of inverse trigonometric functions, techniques of integration, improper integrals, l'Hôpital's rule and indeterminate forms, applications of integration, parametric equations, and Taylor series. Prerequisite: MATH 111 with a grade of C– or higher or equivalent experience in a secondary school calculus course.

Textbook: *Single Variable Calculus: Early Transcendentals* (6th edition), by James Stewart. Thomson Brooks/Cole, 2008.

While this is a very good textbook for this course, there are many other good calculus textbooks and I encourage you to go to the library and use the others for any subject matter you find unclear. In addition, there are calculus text and exercise packages on the web. Most calculus books (paper or not) have the same basic structure and it should be easy to find an alternate description of any topic we discuss.

Your resources need not be restricted to books and computers. One of the real advantages of a school like Colgate is the quality of your peers. Talk to people about your work. Study groups are helpful, especially since that is how most learning occurs in the workplace. Remember, one of the most important things to learn at Colgate is how to learn more effectively.

Grading:	Quizzes	10%
	Exam 1	20%
	Exam 2	20%
	Exam 3	20%
	Final Exam	30%

Homework & Quizzes: Suggested homework problems will be posted on the course web page. These problems will not be graded. Instead, quizzes will be given about once per week. You are encouraged to work together on your homework, but all work on quizzes and exams must be your own.

Exams: T 11:20–1:10 February 12, March 11, April 15 209 Lathrop

Math Clinic: Sunday through Thursday 7:00–10:00 P.M. in 201F McGregory.

Final Exam: MATH 112 A Friday, May 9, 12:00–2:00 P.M.
 MATH 112 B Tuesday, May 6, 9:00–11:00 A.M.