

MATH 112 B
Calculus II
Fall 2014

Professor: Allen Mann
Email: amann@colgate.edu
Office: 323 McGregory
Office Hours: Monday 12:20–2:10
Wednesday 1:20–3:10
Thursday 2:40–4:30 (in 202 McGregory)

Lecture: MWRF 10:20–11:10 226 McGregory

Textbook: *Single Variable Calculus: Early Transcendentals* (7th edition), by James Stewart. Thomson Brooks/Cole, 2012.

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'Hospital's rule and indeterminate forms, applications of integration, differential equations, and Taylor series. Prerequisite: MATH 111 with a grade of C– or higher or equivalent experience in a secondary-school calculus course.

Class Attendance: Students are expected to attend every class. If you are unable to attend, please send me an email (preferably in advance) explaining the reason for your absence.

Homework: Mathematics is a skill that requires practice to develop. It is also a language with its own rules and conventions. Thus, the primary goal of the course is to teach students how to construct *logically sound solutions* to mathematical problems and to *clearly communicate* their solutions in writing.

Weekly homework assignments (10 points each) will be posted on Moodle and usually will be due on Friday. The answers to odd-numbered exercises are included in the textbook, and a solution manual has been placed on reserve in Cooley Science Library. However, students should make an honest attempt to solve each exercise before checking the answer.

Students are encouraged to work together on their homework and to attend office hours whenever they do not understand *why* a particular solution is correct.

Laboratory Assignments: Class will meet in 210 McGregory to work on special computer labs (20 points each) approximately four times during the semester.

Exams: Exams will be held during the common exam period, **Tuesday 11:20–1:10**, in **300 Olin**.

Exam 1	September 23	(100 points)
Exam 2	October 28	(100 points)
Exam 3	November 18	(100 points)

Final Exam: Tuesday, December 16, 9:00–11:00 (150 points)

Calculators: A few of the homework exercises will require a calculator. However, calculators will not be allowed on any exams unless special arrangements have been made in advance.

Grading: Final grades will be based on a subjective curve. The curve for each exam will be announced when the graded exams are returned to students. The combined curve for homework and labs will be announced after the last assignment is graded. The final curve will be obtained by adding the individual curves for homework, laboratory assignments, and exams.

Academic Honor Code: At Colgate University, we believe honesty and integrity are fundamental in a community dedicated to learning, personal development, and a search for understanding. We revere these values and hold them essential in promoting personal responsibility, moral and intellectual leadership, and pride in ourselves and our University. As Colgate students, we will represent ourselves truthfully, claim only work that is our own, and engage honestly in all academic assignments. Since articulated standards and expectations can influence attitudes, and because each of us shares the responsibility for maintaining academic integrity, we are committed to upholding the Academic Honor Code.

Writing & Speaking Center: The Writing & Speaking Center in 208 Lathrop is committed to helping all Colgate students succeed as clear, effective communicators. Peer writing consultants can help you refine your writing by reviewing a paper's focus, development, organization, clarity, grammar, source integration, or other aspects. Peer speaking consultants can help you prepare or organize the content of an oral presentation; they can also help you improve your delivery to an audience. For more information or to make an appointment, visit <http://www.colgate.edu/writingcenter> or call (315) 228-6085.

Students with Disabilities: If you feel you may need an accommodation based on the impact of a disability, please contact me privately to discuss your specific needs. If you have not already done so, please contact Lynn Waldman, Director of Academic Support and Disability Services, at lwaldman@colgate.edu or (315) 228-7375. Lynn determines reasonable accommodations for students with documented disabilities. Her office is in the Center for Learning, Teaching and Research.