

MAT 296 Calculus II

Summer Session I 2015

MTWTh 12:00 pm - 2:25 pm Hall of Languages 115

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Office Hours: MTWTh 11:00 am - 12:00 pm

Course Description: MAT 296 is the second course in a three semester sequence in Calculus. This sequence is designed for students who intend to take more advanced courses in mathematics. This course covers techniques of integration, improper integrals, polar coordinates, sequences and series.

Mathematics Prerequisite: Completing MAT 295 (Calculus I) with a grade of C– or better is a prerequisite for MAT 296 (Calculus II).

Textbook: *Essential Calculus: Early Transcendentals*, 2nd edition, by James Stewart. (The material we will cover appears in Chapters 6 through 9.)

Calculator Policy: The Department of Mathematics has resolved that students are expected to complete the calculus sequence without the use of a calculator. Calculators will not be allowed on any exam or quiz.

Homework: Homework will be assigned each day in class, and should be completed before the next class meeting. Homework will not be collected, but you cannot be successful in the class unless you do the problems. You are encouraged to work with others on the homework, and ask questions about homework problems in class and during office hours.

Quizzes: A short quiz will be given every class day (except exam days) on the previous day's material. No make-up quizzes will be given. The two lowest quiz scores will be dropped.

Exams: There will be three exams: one-hour exams on May 28 and June 11, and a two-hour comprehensive final exam on the last day of class, June 25. We do not give make-up exams, even in the case of an emergency. With an acceptable excuse your missed exam score will be replaced by your score on the relevant portion of the final exam.

Grading: Your grade will be computed using the following percentages:

Quizzes	20%
Exams (25% each)	50%
Final Exam	30%

Your letter grade for the course will be determined as follows:

Percentage	Letter Grade	Percentage	Letter Grade
93 – 100	A	77 – 79	C+
90 – 92	A–	73 – 76	C
87 – 89	B+	70 – 72	C–
83 – 86	B	60 – 69	D
80 – 82	B–	0 – 59	F

Learning Goals: The successful student will

- have a basic knowledge and understanding of the analytic and geometric concepts taught, and some of their classical applications to other sciences such as physics.
- understand the nature and role of deductive reasoning in mathematics.
- have the ability to use and understand the usage of mathematical notation.
- have the ability to do hand calculations accurately and appropriately.
- have the ability to follow proofs and other mathematical discourse.

Students with Disabilities: If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS) at

<http://disabilityservices.syr.edu>

located in Room 303 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented Disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations. Making arrangements with ODS takes time. Do not wait until just before the first exam.

Academic Integrity: Syracuse University sets high standards for academic integrity. Those standards are supported and enforced by students, including those who serve as academic integrity hearing panel members and hearing officers. The presumptive sanction for a first offense is course failure, accompanied by the transcript notation “Violation of the Academic Integrity Policy”. Students should review the Office of Academic Integrity online resource “Twenty Questions and Answers About the Syracuse University Academic Integrity Policy” and confer with instructors about course-specific citation methods, permitted collaboration (if any), and rules for examinations. The Policy also governs the veracity of signatures on attendance sheets and other verification of participation in class activities. For more information and the complete policy, see <http://academicintegrity.syr.edu>. For this course in particular, the use of any notes during quizzes and exams is considered to be a violation of the academic integrity policy. A first violation will result in a zero on the quiz or exam. A second violation will result in failing the course.

Course-related Problems or Questions: Please inform your instructor of any problems that you have with this course. Problems not satisfactorily resolved with your instructor should be brought to the attention of the course supervisor without delay. The course supervisor is Prof. Graham Leuschke, gjleusch@syr.edu.

Attendance: You are expected to attend and participate in class. Missing class is the most common reason for poor performance in the course. If you must miss a class, you are responsible for obtaining notes for that class from a student who attended. It is also your responsibility to find out about any announcements made in class.

Getting Help: Your instructor will be holding regular office hours and will make appointments with students having class conflicts with their scheduled office hours. In addition, the Mathematics Department offers regular math clinics. These will be set up by the second day of classes and will be posted outside the math office.

Cell Phones: All electronic devices other than the calculator should be turned off and put away during class. Calculators on cell phones are not to be used on tests or quizzes.