

MA 125-501 CALCULUS I Spring 2009

TR 6:00-7:40 p.m. in ILB 465

Instructor: Dr. Victoria Sadovskaya. You may call me Victoria
E-mail: sadovska@jaguar1.usouthal.edu
Office: ILB 316
Office phone: 460-6264 ext. 2622
Office hours: TR 1:50-2:30 p.m. and 5-6 p.m., W 1:20-2 p.m., or by appointment
Course homepage: www.southalabama.edu/mathstat/personal_pages/sadovska/125/125-102.html

Goals and Objectives: This is the first part of a three-course sequence intended to provide a good foundation in elementary calculus and its applications for students in mathematics, statistics, science, and engineering.

Course description: The course provides an introduction to calculus with emphasis on differential calculus. Topics include limits of functions, derivatives of elementary functions, application of differentiation to curve sketching and optimization problems, and examples in the natural sciences and economics. The course concludes with an introduction to definite integrals and the fundamental theorem of calculus. *Credit for both MA 120 and MA 125 is not allowed.* Prerequisite: MA 113 or MA 115 or placement test score of 85 or more.

Text: Jon Rogawski, *Calculus: Early Transcendentals*, W. H. Freeman, New York, 1st edition (2008). ISBN-13: 978-1-4292-1073-7.

Coverage: We will cover most of Chapters 2, 3, and 4, and parts of Chapters 1 and 5.

On-line Resources: New textbooks come with access to CalcPortal. It includes digital versions of the text and of the solution manual, interactive applets, chapter quizzing, etc.

Calculator: A graphing calculator is recommended but not required.

Note: Calculators, books, and notes cannot be used during quizzes and exams.

Attendance: You are expected to attend every class. Roll will be taken daily. If you miss a class, you are responsible to learn the material covered and to know the announcements made in class. Habitually absent students lose privileges: e.g. office hours and grading appeals. *Class attendance will be considered in determining borderline grades.*

Homework: Homework assignments will be given at the end of each class. These assignments will not be collected, but in order to do well in the class, you must keep up with the daily assignments.

Quizzes: Quizzes will be given in class on a weekly basis. In addition, there will be several take-home quizzes. Quiz problems will be similar to homework problems. There will be no make-up quizzes, but the lowest two scores will be dropped.

Exams: There will be three in-class exams and a two-hour final exam. Exam 1 will cover Chapters 1 and 2, Exam 2 – Chapter 3, and Exam 3 – Chapter 4. The final will be cumulative, but the material of Chapter 5 will be emphasized. The dates of the in-class exams will be announced in class and posted on the course homepage at least one week in advance. The final exam will be on Tuesday, May 5, 6:00 p.m. - 8:00 p.m.

All students must plan to take exams at the scheduled times. If you are unable to attend an exam you should contact me promptly, before the exam if possible. A compelling reason for absence, such as illness or a family emergency, will entitle you to a make-up exam. Otherwise, the score for the missed test will be zero.

Final grade computation: Your final score and your letter grade will be calculated as follows:

Quizzes:	30%	A:	at least 90%
Exam 1:	15%	B:	at least 80%
Exam 2:	15%	C:	at least 70%
Exam 3:	15%	D:	at least 60%
Final Exam:	25%	F:	below 60%

Departmental tutoring: Free tutoring is available from the Department of Mathematics and Statistics in ILB 456. For the Tutoring Lab schedule check the bulletin board outside ILB 325 or visit <http://www.southalabama.edu/mathstat/css-coursehelp.shtml>

Dropping: The last date to withdraw from a course is Friday, March 27. Please speak to me if you are getting behind. Also talk to me before making a final decision to drop.

Academic accommodations: If you have a specific disability that qualifies you for academic accommodations, please notify me and provide certification from the Office of Special Student Services. It is located in the Student Center, Room 270, Phone 460-7212.

Note: *The requirements and the policies may be modified as circumstances dictate. Such changes will be announced in class and posted on the course homepage.*