

Syllabus for MA 161, Calculus I (Winter 2009)

Instructor: Qinghong Zhang

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Office Hours: 11:00—12:00, 1:00-2:00, MTWR, and by appointments

Class Time: 9:00—9:50 MTWRF

Place: NSF 1209

This course satisfies the Foundation of Natural Sciences/Mathematics requirement.

Students who complete this course should be able to demonstrate a basic understanding of mathematical logic; use mathematics to solve scientific or mathematical problems in college classes; express relationships in the symbolic language of mathematics; and appreciate the role of mathematics in analyzing natural phenomena.

Course Description: Review of algebraic, trigonometric, exponential, and logarithmic functions, limits and derivatives, differential rules, applications of differentiation, definite integral, the fundamental theorem of calculus, and applications of integration.

Prerequisite: A grade of C- or better in MA115, or satisfactory score on the Math Placement Exam.

Textbook: *Single Variable Calculus, Early Transcendentals*, 6th Edition by James Stewart.

Attendance: Students are expected to attend all the classes. Attendance will be taken at the beginning of the class.

Homework, Quizzes and Tests: Homework will be assigned for each class. Quizzes will be given on Fridays. There will be four tests tentatively scheduled for 01/30/09, 02/20/09, 03/20/09, and 04/10/09, and a two-hour final exam during the final exam week. Tests count 60% toward the final grade. The final exam counts 25%. Quizzes will be the remaining 15% toward the final grade. It is important to take the quizzes, tests, and exam at the scheduled time. Generally, no make-ups will be given.

Grading: 90%—100% is an A. 80%—89% is a B, etc.

Disability Services If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office by: coming into the office at 2001 C. B. Hedgcock; calling 227-1700; or e-mailing disserv@nmu.edu. Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.