

## MA161 Calculus I

### Winter 2006 MTWRF 2:00 - 2:50 WS 2901

<b>Instructor</b>	Dr. Roxin Zhang
<b>Textbook</b>	Calculus - James Stewart, 5e
<b>Office Hours</b>	MTWRF 1:00 - 2:00 or by appointments. NSF 3013. <a href="mailto:rzhang@nmu.edu">rzhang@nmu.edu</a> , Tel: 227-1596
<b>Prerequisite</b>	MA115 (precalculus) or recommended by NMU Math Placement
<b>Software</b>	Mathematical program Maple will be used during the semester.
<b>Contents</b>	<p>This is a five-credit class in that there will be a great amount of materials covered. You need to arrange your schedule so that you have sufficient time to read and practice and to complete assignments.</p> <p>The first six chapters in the text will be covered in this class. Here is a list of the chapter titles:</p> <ul style="list-style-type: none"> <li>- Functions and Models</li> <li>- Limits and Derivatives</li> <li>- Differentiation Rules</li> <li>- Applications of Differentiation</li> <li>- Integrals</li> <li>- Applications of Integration</li> </ul>
<b>Homework</b>	Exercise problems will be assigned after each lecture. Students are expected to do the homework and participate in the discussions during the following lectures.
<b>Tests and Quizzes</b>	<p>There are three types of tests:</p> <p>Quizzes - quizzes (mostly one hour) will be given on a regular (weekly) basis.</p> <p>Midterm - Tentatively scheduled in the 7th week.</p> <p>Final exam - A comprehensive exam, Thursday May 4, 2:00 - 3:50 AM.</p>
<b>Attendance</b>	Attendance will be checked randomly and will be calculated into the grade. Remember that the poor attendance is one of the primary causes of failing a class.
<b>Grading</b>	<p>Grades are calculated according to the quizzes, midterm, final exam and the attendance. The weights are:</p> <p>Quizzes 50 %, Midterm 20 %, Final exam 25 %, Attendance 5 %</p>

This course satisfies the Foundation of Natural Science/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 probability and statistics in analyzing natural phenomena.

If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services Office at 2001 C. B. Hedgcock (227-1700; TDD 227-1543). 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.