

MA 171 Introductory Probability and Statistics
Summer 2007 (50879)

Duration: May 21, 2007 - August 11, 2007

Text Book	General Statistics, 4 th Ed., Warren Chase & Fred Bown, Wiley
Instructor	Dr. Roxin Zhang, rzhang@nmu.edu
Instructor Office	New Science Facility 3013, 227-1596
Office Hours	Before/after classes, MTWR 11:00 – 12:30 or by appointments.
Prerequisite	The minimal requirement is a C- or better in MA103 or MA105 or satisfactory math placement test recommendations.
Course Contents	<p>Statistics, as defined in our text, is the science of collecting, simplifying, and describing data, as well as making inferences (drawing conclusions) based on the analysis of data. These form two basic areas of statistics - descriptive and inferential statistics. The purpose of this course is to provide students with the fundamentals of the introductory statistics. The first part of the course (Chapter 2-6) emphasizes on the descriptive statistics including the basic concepts in statistics, data analysis techniques and probability distributions. The second part of the course is on the inferential statistics that mainly focuses on how and why the inferences (conclusions) are made based on the data.</p>
Study for the Class	<p>The instructions are mainly done through the emails. It is the students' responsibility to check emails every day for the class related information. Students must spend at least 5 hours each week (for 12 weeks) to read and study the online materials as well as the text book, and do exercises and going through the practice problems in the online materials. You can ask questions through emails or post messages on the Message Board on my.nmu.edu.</p> <p>The files will be mostly distributed through my.nmu.edu. You need to visit the website often to get updated class materials and announcements. The PowerPoint slides may also be updated later after the initial upload.</p>
Tests/Quizzes	There will be a one-hour quiz or a project about every two weeks that will count for 70% towards the grade and the final exam 30%. One lowest quiz (including a missing quiz) will be dropped out. The final exam will be around the second week of the August.
Grading	Grades are given as the Northern conventions: A, A-, B+, B, B-, C+, C, C-, D+, D, D- and F. You are welcome to check with the instructor regarding your performance any time during the semester.
Liberal Studies Requirement	This course satisfies the Formal Communication Studies requirement.
Liberal Studies Requirement	These courses are designed to introduce students to the ways in which information and ideas are expressed using a communication system other than English. Such courses should foster the student's ability to conceptualize and communicate in an orderly, rational manner. Characteristics of a communication system include: 1) possession of a grammar; 2) operation from an established set of rules; 3) reasoning properties such

as deduction, inference drawing and problem solving. This includes courses in languages and those in which the central focus of the course is on statistics, computers or formal logic.

**Disability
Statement**

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; TTY 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.