Syllabus for MA 171, General Statistics  
Fall 2015

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Class Time: MA171-73: 1:00-1:50, TR  
MA171-03: 8:00-8:50 MTWR  
Office Hours: 10:00-12:00, MTWR, and by appointment.

This course satisfies the Formal Communication Studies requirement.

This course is 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.

Upon successful completion of this course, a student should be able to:

- demonstrate the difference between Descriptive Statistics and Inferential Statistics  
- determine sample spaces and find the probability of an event  
- construct a probability distribution for a random variable  
- compute a confidence interval for a mean and a proportion  
- describe the definitions used in hypothesis testing  
- compute the correlation coefficient and the equation of the regression line

Evaluation of these learning outcomes will be done through assignments, quizzes, and exams.

Prerequisite: A grade of C- or better in MA103, MA104, or MA111, or satisfactory score on the Math Placement Exam.

Textbook: Elementary Statistics, A brief version, 7th Edition by Allan Bluman, Loose Leaf version with access to Connect Plus Math Hosted by ALEKS, which is a website maintained by the publisher of your textbook.

Grading Plan:

Coursework will be weighted as follows:

Homework: 15%.  
Quizzes: 15%.  
Tests: 45%.  
Final Exam: 25%
It is important to take the tests and exam at the scheduled time. Generally, no make-ups will be given.

Grading: 90%—100%, A; 80%—89%, B; 70%-79%, C; 60%-69%, D; 0%-59%, F.

**Disability Services** If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C. B. Hedgcock Building (227-1700 or 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.

**Testing Room Policy for Students:**

1. Testing room hours are strictly **Monday-Friday from 8:00 am - 12:00 pm and 1:00 pm - 5:00 pm**. Your exams will be taken away at 12:00 pm and 5:00 pm, whether you are finished or not. If there is a 2 hour time limit, you need to come at least 2 hours prior to closing for lunch and/or the day. Exams will not be given to you if you come later than that.
2. The testing room is for **make-up exams only**. You must have a legitimate reason as to why you cannot make the regularly scheduled exam.
3. Students with disabilities should work with the instructor and Disability Services to arrange for taking exams.