

# INTRODUCTION TO PROBABILITY & STATISTICS

**MA171**

CRN 10443

WEST 3803

M,T,W,R 2:00-2:50

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Office: NSF 1009, ext. 2558

Office hrs: M,W 12:00-1:50, 4:00-5:00

T,R 9:00-12:00, 4:00-5:00

F 12:00-2:50

\*Appointments must be made via e-mail in advance.

Other times may be available upon request.

# MA171

## Course Objectives

- The basic objectives of this course are:
  - To provide a basic foundation of the principles of probability and statistics.
  - To provide a framework for understanding and analysing numerical data.
  - To be able to communicate and interpret statistical analyses of research data.
  - To exhibit a working knowledge of basic statistical computer packages in data analysis.

# GRADING

- The student's achievement in accomplishing these course learning objectives will be measured based on test performance and homework using the following:
  - 6 tests (approx. every two weeks)      60%
  - Homework (collected randomly)      10%
  - Final Exam\*      30%
- Tests and exams will always be announced at least one day in advance and always open-book, open-notes with computer access.
- \*Final exam exemption at the discretion of the instructor pending class performance and grade average.

**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.**

## **DISABILITY SERVICES**

**If you have need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Disability Services by: coming into the office t 2001 C.B.Hedgcock, calling 227-1700; or e-mailing [disserv@nmu.edu](mailto: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.**

# Tentative Course Syllabus

Week	Date	Chapters
1	1/14-1/17	Ch. 1,2
2	1/21-1/24	Ch.3
3	1/28-1/31	Test 1, Ch. 4
4	2/4-2/7	Ch.. 4,5
5	2/11-2/14	Test 2, Ch.6
6	2/18-2/21	Ch.6
7	2/25-2/28	Test 3, Ch. 7
8	3/4-3/7	SPRING BREAK
9	3/11-3/14	Ch. 8
10	3/18-3/21	Ch. 9, Test 4
11	3/25-3/28	Ch. 9,10 (last day drop/W)
12	4/1-4/4	Ch. 10, Test 5
13	4/8-4/11	Ch. 11
14	4/15-4/18	Test 6, Ch.12
15	4/22-4/25	Ch. 12, review
Final Exam	4/30,2--3:50 5/2, 2:00-3:50	MA171-02 2-3om class MA171-06 3-4pm class

# Required Resources

- Texts –
  - Bluman, Allan G. Elementary Statistics – A Step By Step Approach, sixth edition.
- Microsoft Excel 2007 with Analysis Tool-Pak
- Hand-held calculator
- All exams will be open book/open notes.