Professor: Dr. Linda Lawton  
Office: NSF 1107  
Email: llawton@nmu.edu  
Office Hours: 12:30 – 1:30 MTWR (until 6/27), other by appointment

Text: Moore, McCabe, Craig; Exploring the Practice of Statistics  
The bookstore should have a loose-leaf version of the text available, packaged with a  
code that will allow you to access the online system. If you wish to purchase the online  
access (which includes an electronic version of the text), go to this website:  
http://courses.bfwpub.com/eps

Course description: We will cover chapters 1 -10 and 12 of the text.  
The course consists of a study of the methods of elementary probability and statistics.  
Some time is devoted to finding probabilities for both discrete and continuous probability  
functions, and discussing the role probability plays in estimation and decision making.  
The main emphasis of the course, however, is on methods of describing data, finding  
sampling estimates and testing hypotheses.

Learning Objectives: Upon successful completion of the course, students will be able:  
• to demonstrate the difference between Descriptive Statistics and Inferential  
Statistics  
• to determine sample spaces and find the probability of an event  
• compute a confidence interval for a mean and a proportion  
• describe the definitions used in hypothesis testing  
• compute and interpret the correlation coefficient of a line of best fit  
Evaluation of these learning outcomes will be done through assignments, quizzes, and  
exams.

Course Requirements:  
For each chapter, students will complete an online homework set and two quizzes (one  
before reading the chapter, one after reading the chapter and completing the  
homework).  
Students will complete three proctored (on-campus) exams. Exam 1 will cover Chapters  
1 – 4 and may be taken after completing the assignments from Chapters 1 – 4. Exam 2  
will cover Chapters 5 – 8 and may be taken after completing the assignments from  
chapters 5 – 8. The Final Exam will be comprehensive, but 66% of the final exam will be  
questions from Chapters 9, 10, and 12.

Grades:  
Homework & Quizzes: 30%  
Exam 1: 20% (Chapters 1 - 4)  
Exam 2: 20% (Chapters 5 - 8)  
Final: 30% (Chapters 1 - 10 & 12)
Scate:

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\begin{array}{|c|c|c|}
\hline
\text{Score} & \text{Grade} & \text{Percentage} \\
\hline
92\% & A & 80\% \leq B < 82\% \\
90\% & A - < 92\% & 78\% \leq C+ < 80\% \\
88\% & B+ < 90\% & 72\% \leq C < 78\% \\
82\% & B < 88\% & 70\% \leq C - < 72\% \\
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\[
\begin{array}{|c|c|c|}
\hline
\text{Score} & \text{Grade} & \text{Percentage} \\
\hline
88\% & A - < 92\% & 78\% \leq C+ < 80\% \\
82\% & B+ < 90\% & 72\% \leq C < 78\% \\
78\% & B < 88\% & 70\% \leq C - < 72\% \\
68\% & D+ < 70\% & F < 60\% \\
\hline
\end{array}
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Schedule:
Expect to spend an average of 15 hours per chapter. A few things to consider –

- This is roughly the same amount of time we would spend (on average) per chapter for an on-campus MA 171 course during the Fall / Winter semesters, including time inside and outside of class.
- Some chapters are easier than others and will take less time. Expect to spend more than 15 hours on some of the harder chapters.
- In my opinion, the easier chapters are the earlier ones. Note that the schedule below indicates completion of the first exam by the end of the third week of class, while the other chapters are spaced roughly a week apart.

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<tr>
<th>Suggested date to complete</th>
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<tbody>
<tr>
<td>5/23/2013 Chapter 1</td>
<td>6/28/2013 Chapter 7</td>
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<td>5/27/2013 Chapter 2</td>
<td>7/4/2013 Chapter 8</td>
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<td>6/1/2013 Chapter 3</td>
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<td>6/6/2013 Chapter 4</td>
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<td>6/7/2013 Exam 1</td>
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<td>6/14/2013 Chapter 5</td>
<td>7/23/2013 Chapter 12</td>
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<td>6/21/2013 Chapter 6</td>
<td>7/25/2013 Final Exam</td>
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<td>6/28/2013 Chapter 7</td>
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I will be available in the office during July, but less regularly. I’ll post July office hours on EduCat at the end of June. I will also be answering questions received by email throughout the length of the course.

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). 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.

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.

*This syllabus is subject to change with notice.*