Math 227
Class Syllabus Fall 2013

Course: Math 227 Statistics
Ticket Number 3242; Monday and Wednesday 4:35 PM– 6:40 PM, CMS 27

Instructor: Ralph (Randy) Ades
Office Hours: Monday and Wednesday 4:05 PM-4:30 PM(CMS 121) and 6:40-6:55 PM (in class CMS 27) or by appointment
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Textbook: Elementary Statistics; A Brief Version, 6th edition, by Alan G. Bluman

Prerequisite: Math 125 with a grade of "C" or better or appropriate skill level demonstrated through the Mathematics assessment processes.

Important Dates:

August 26;	Classes Begin;
September 2;	Labor Day: College Closed
September 6;	Last day to Add a Class Fall 2013
September 6;	Last day to section transfer
September 8;	Last day to Drop (16 week classes) Online ONLY classes without receiving a 'W', and without incurring fees or with refund.
November 11;	Veteran's Day: College Closed
November 17:	Last Day to Drop classes with a "W" ONLINE ONLY-Letter grade is required after this date and forward.
November 28-December 01:	Thanksgiving Holidays; College Closed
Final Exam	
Comprehensive :	Monday, December 9, 2013 from 5:30 PM to 7:30 PM

Course Description: We will cover the following topics:

- Chapter 1: The Nature of Probability and Statistics
- Chapter 2: Frequency Distribution and Graphs
- Chapter 3: Data Description
- Chapter 4: Probability and Counting Rules
- Chapter 5: Discrete Probability Distributions
- Chapter 6: Normal Distribution
- Chapter 7: Confidence Intervals and Sample Size
- Chapter 8: Hypothesis Testing
- Chapter 10: Correlation and Regression
- Chapter 9 Hypothesis Testing with Two Parameters

Course Objectives: This course is an introduction of basic statistical concepts and techniques, which includes descriptive and inferential statistics, construction of statistical tables, display data with statistical graphs, correlation and regression, probability, statistical distributions, central limit theory, testing hypotheses & confidence interval of a single population for the population mean or population proportion.
Minitab is used throughout the course to present graphs, to solve exercises, to perform a simulation, and to interpret & analyze application problems.

Student Learning Outcomes:

1. Use probability concepts to solve problems and interpret their results.
2. Demonstrate proficiency in descriptive statistics and inferential analyses to draw conclusions about a population.

Homework

Homework assignment will be assigned at the start of each week (Monday). All homework assignments will be due the following Monday except when that Monday is a holiday, then the homework will be due on Wednesday, Work **MUST** be shown and no credit will be given for a list of answers. Late homework will not be accepted.

Exams

- There will be four classroom tests and one lab test. If the final examination score is higher than the lowest score of all tests, its percentage score will be used to replace the lowest test score. There will be **no make-up** examinations.
- There will be one computer-based exam covering all the lab materials.
- A comprehensive final exam will be given on **Monday, December 9.**There are **no make-ups** for the final and all students must take the final exam.
- All tests will be based on examples worked in class, assigned homework, and computer printout analysis.

Grading:

HW	10%
Tests	55%
Computer Test	10%
Final	25%

Grading Scale: Letter grades will be determined by your overall percentage in the course:

- A = 90%-100%
- B = 80%-89.9%
- C = 70%-79.9%
- D = 60%-69.9%
- F = 0%-59.9%

Attendance:

Students are expected to attend all class meetings. Unexcused absences of six meetings may result in excluding students from class. Students themselves are responsible for dropping a class they no longer attend; failure to do so may result in a grade of F.

Course Organization: The course will follow the attached course schedule as closely as possible.

Tutorial: Drop-in tutoring is available at the Center for Mathematics and Sciences 121

Class comportment:

All students are expected to arrive on time. Late arrivals are disruptive to both the lecturer and students. Once you are seated, do not leave the room until dismissed. Such comings and goings are also disruptive. Students must turn off cell phones while in class. Students are encouraged to ask questions and make comments on the lecture material. This should be done in a courteous manner by raising one's hand and being recognized. Side conversations between students that disrupt the flow of the lecture will not be tolerated. It is the student's responsibility to manage his or her academic workload. Should a student decide to stop attending class it is their responsibility to drop the class. All students appearing on the grade roster will receive a grade regardless of whether they are attending classes or not.

How to maintain "A" Everyone starts the class with an "A", so how do you keep it? First, it is very important to attend all class lectures. Second, in order to be good at math it takes practice, practice, and practice. This means you should do all of your homework and understand.

Math 227 Elementary Statistics Tentative Schedule

Date	**Monday**	**Wednesday**
Aug 26/ Aug 28	Orientation, Chapter 1, 2.1	Ch. 2.1-2.3
Sept 02/ Sept 04	**Holiday**	2.3-2.4
Sept. 09/Sept 11	Review	**Exam 1 Chapter 1-2**
Sept 16/ Sept 18	Chapter 3.1-3.2	Chapters 3.3-3.4
Sept 23/ Sept 25	**Lab 1 (Chapter 2,3)**	Chapter 4.1-4.2
Sept 30/Oct 02	4.3-4.4	4.5, Review
Oct 7/ Oct 9	**Exam 2 Chapters 3-4**	Chapters 5.1-5.2
Oct 14/ Oct 16	Chapters 5.3, 6.1	Chapters 6.2-6.3
Oct 21/Oct 23	Chapters 6.3-6.4	Review
Oct 28/Oct 30	**Exam 3 Chapters 5-6**	**Lab II (Ch4-6)**
Nov 04/Nov 06	Chapters 7.1-7.2	Chapters 7.3-8.1
Nov 11/ Nov 13	**Holiday**	Chapters 8.1-8.2
Nov 18/Nov 20	Chapters 8.2-8.3	Chapters 8.4, Review

Nov 25/Nov 27	**Exam 4 (Chapters 7and 8**	**Lab 3-(Ch. 7, 8, 10)**
Dec 02/Dec 04	**Final Review**	**Final Review (Optional)**
Dec 09/ Dec 11	**Final Exam**	**Final Review**