Course: Math 227 Elementary Statistics Fall 2012
Section 3244 TTh 7:00-8:55pm CMS 120

Instructor: Lam Wong www.lamission.edu/~WongL [HW/Lecture Notes will be posted online]
Office Hours: Thurs 6:00-:6:45pm, in the Math Tutoring Center, (CMS 121)
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Text: Elementary Statistics by Allan G. Bluman, 6th Edition. A Brief Version

Calculator: A scientific calculator will be needed DAILY for this class. (I will be using a TI-30x IIS in class.). No graphing calculators, cell phone or PDAs are allowed at any time.

Prerequisite: Successful completion of Math 125 or a passing score of placement test.

Important Dates:
Monday, Aug. 27 classes begin
Monday, Sep. 3 Labor Day, college closed
Thursday, Sep. 6 last day to add classes
Friday, Sep. 7 last day to drop classes without "W"
Friday, Nov. 2 last day for section transfer
Monday, Nov. 12 Veteran's Day, college closed
Friday, Nov. 16 last day to drop with a "W"
Thursday, Nov. 22-25 Thanksgiving Holiday, college closed
Final Exam, Tuesday, December 11, 8-10pm.

Course Description: We will cover the following topics:

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

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 Hand-written and computer homework will be assigned regularly. Students are responsible to complete the assigned homework as each section is completed. The assignments will not be collected; however, similar problems will appear in the exams.

Exams

- There will be four classroom tests. A formula sheet will be provided to the student.
- 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.
- Any missed exam will receive a grade of 0.
- A comprehensive final exam will be given on Tuesday, December 11.
  There are **no make-ups** for the final and all students must take the final exam in order to get a passing grade.
- All tests will be based on examples worked in class, assigned homework, and computer lab materials.

Computer Component

- Various topics in this course will be covered using Minitab software. Minitab software and the data sets needed for the class are available in all computers in the Math Tutoring Center, LRC 205, LRC 234, and the LRC Computer Commons. The student version of Minitab and the data set CD are included with every new textbook for home use.
- There will be one computer-based project and one computer-based quiz covering all the lab materials. More detail will be announced during the lab.

Grading:

Percentage Distribution		Assigned Grade	
		90 - 100%	A
Computer lab/Minitab Quiz	10%	80 - 89%	B
Tests (4)	55%	70 - 79%	C
Final	35%	60 - 69%	D
		below 60%	F

NO "INCOMPLETE" GRADES WILL BE GIVEN

Attendance: Attendance will be taken each class meeting. Once a student accumulates *undocumented* or *unexcused* absences/tardiness/leaving early equivalent to one week's worth of instruction he or she is then eligible to be excluded (either dropped or receive a F.) It is your responsibility as a student to drop a class if you decide to quit attending class.

Tutorial: Drop-in tutoring is available at the Math Center located in the CMS 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. 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. It is expected that you spend 12-15 hours a week outside of class working on the homework. 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.

Cheating: Any work that is not the student's or that the student has allowed others to copy will receive an automatic "F" for the assignment or the course. Students are not allowed to use any notes (paper or otherwise) or books for the exams except for what is provided to the class. Once an exam starts, students will not be permitted to re-enter the classroom.

Final Exam: Tuesday, December 11, 8-10pm.Please note that this is later than when class usually ends and plan for that day accordingly.

All cell phones, pagers, etc are to be turned off or silenced while class is in session.
No food or drinks (excepted bottle water) are allowed in the classroom.
No visitors (anyone who is not registered) will be allowed to sit in.
All monitors must be in the down position during class. No personal use of computers during class hours.
Appropriate behavior for this class is in the "Standards of Student Conduct" which has been set forth in the Student Code of Conduct printed in the college schedule of classes and/or the College Catalog.

If you continue to disrupt the class and/or another student's learning (after being warned), you will be asked to leave. I will file a report of misconduct and you will be dealt with as severely as the College policy allows, which includes the following disciplinary actions: reprimand, disciplinary probation, administrative class drop, suspension, or expulsion, as conditions warrant.

Title V and Education Code Changes:

Significant changes to the drop policy and class repetition are now effective.
Last day to drop without a W: In the past this was the census date, about the 3rd week of classes. It is now the same day as the last day to add, September 7 (in person), September 9 (online).

Class repetition: Students are limited to three attempts at passing a course with a "C" or better. Any letter grade or "W" counts as an attempt. And this rule is retroactive. This means for example that if a student got a "W" and a "D" in Math 115 two years ago, he has one more chance to pass before he is prevented from enrolling in Math 115.