

## CLASS SYLLABUS Fall 2013

- Course:** Math 227 Elementary Statistics  
Section 3244 TTh 7:00 pm – 9:05 pm, CMS 126
- Instructor:** Roula Dakdouk  
Office Hours: MWF 10:15AM – 10:40 AM, TTh 1:45PM – 2:50PM & 5:35PM – 7:00PM,  
or by appointment  
Office: CMS 124, Office #136  
Phone: (818) 833-3380  
Email: [dakdourr@lamission.edu](mailto:dakdourr@lamission.edu)
- Text:** Elementary Statistics by Allan G. Bluman, 6th Edition. A Brief Version
- Web Site:** <http://www.lamission.edu/~dakdourr/>
- Prerequisite:** Successful completion of Math 125 or a passing score of math placement test.
- Important Dates:**
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|--------------------|---|
| Friday, Sep. 6:    | Last day to ADD classes                   |
| Sunday, Sep. 8:    | Last day to DROP classes, without a "W"   |
| Friday, Oct. 4:    | Last day to petition for credit/no credit |
| Sunday, Nov. 17:   | Last day to DROP, with a "W"              |
| <b>Final Exam:</b> | <b>Tuesday, Dec 10, 8:00 – 10:00 pm</b>   |
- 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. Organize, describe, analyze, and interpret data through the use of statistical methods.
  2. Use statistical concepts involving normal curve, confidence interval, and hypothesis testing to draw sound conclusions and make informed decisions.
  3. Use the rules of probability to solve problems and interpret their results.
- Exams:**
- There will be four classroom exams. There will be no make-up examinations and any missed exam will receive a grade of 0.
  - A comprehensive final exam will be given on Tuesday, December 10. There are **no make-ups** for the final and all students must take the final exam.
  - All exams will be based on examples worked in class, assigned homework, and computer lab materials.
- Homework & Quiz:** Homework from the textbook 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 quiz.

**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 Center, CMS 120 & 122, LRC 205, LRC 234, and the LRC Computer Commons, and CSIT lab (INST #2009). 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 quiz covering all the lab materials. More detail will be announced during the lab.

<b>Grading:</b>	4 Quizzes	12%
	4 exams	52%
	Computer Quiz	10%
	Final exam	26%

**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 three 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 Tutoring Lab located in CMS 121. The hours of the Tutoring Lab are M-Th 11am-8pm.

**Class comporment:**

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 them. Do not just memorize how to do them, but understand the problem and how to solve it using the concepts learned in class. Get a study partner. Many times when a friend or study partner explains a problem or concept to you in a different way, it might make more sense. Also, you can keep each other accountable by making sure you do your homework in a timely manner. Finally, be well-prepared for exams. Do not try to "cram" before the test, but begin studying well before the test date. Get additional help if needed.

**Fall 2013****Math 227 Elementary Statistics Tentative Schedule**

<b>Date</b>	<b>Tuesday</b>	<b>Thursday</b>
Aug 27 / Aug 29	Orientation; Ch 1	<b>Quiz 1</b> (Ch 1); Ch 2.1– 2.2
Sep 03 / Sep 05	Ch 2.3– 3.1	Ch 3.2– 3.4
Sep 10 / Sep 12	<b>Quiz 2</b> (Ch 2); Review (Ch 2,3)	<b>Exam 1</b> (Ch 2, 3)
Sep 17 / Sep 19	<b>Lab I</b>	Ch 4.1– 4.2
Sep 24 / Sep 26	Ch 4.3– 4.4	Ch 4.4 – 4.5
Oct 01 / Oct 03	Review (Ch 4); Ch 5.1– 5.2	<b>Exam 2</b> (Ch 4)
Oct 08 / Oct 10	Ch 5.3– 6.1	Ch 6.2– 6.3
Oct 15 / Oct 17	<b>Quiz 3</b> (Ch 5); Ch 6.4	Review (Ch 5,6)
Oct 22 / Oct 24	<b>Exam 3</b> (Ch 5, 6)	<b>Lab II</b>
Oct 29 / Oct 31	Ch 7.1– 7.2	Ch 7.3
Nov 05 / Nov 07	<b>Quiz 4</b> (Ch 7); Ch 8.1– 8.2	Ch 8.2– 8.3
Nov 12 / Nov 14	Ch 8.3– 8.4	Review (Ch 7, 8)
Nov 19 / Nov 21	<b>Exam 4</b> (Ch 7, 8)	<b>Lab III</b>
Nov 26 / Nov 28	Ch 10	<b>Thanksgiving (no class)</b>
Dec 03 / Dec 05	<b>Computer Quiz (Lab IV)</b>	<b>Final Review</b>
Dec 10 / Dec 12	<b>Final Exam</b> <b>(8:00-10:00pm)</b>	No Class