

**Math 227**  
**Class Syllabus Spring 2014**

- Course:** Math 227 Statistics  
Ticket Number 3354; Monday and Wednesday 7:00 PM– 9:05 PM, CMS 029
- Instructor:** Ralph (Randy) Ades  
Office Hours: Monday and Wednesday 2:45 PM-3:20 PM or by appointment  
Office: CMS 121 (Math Tutoring Center)  
Phone: 818-364-7600 ex. 4900  
Email: [adesr@lamission.edu](mailto:adesr@lamission.edu)  
Website: [www.lamission.edu/~adesr](http://www.lamission.edu/~adesr)
- Textbook:** Elementary Statistics; A Brief Version, 6<sup>th</sup> 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:**
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|------------------------|--|
| February 9;            | Classes Begin;   |
| February 21;           | Last day to Add a Class Spring 2012                            |
| February 14 and 17     | President Day; College Closed                                  |
| February 21;           | Last day to process a section transfer                         |
| February 23;           | Last day to apply for refund( by Internet Only).               |
| February 23;           | Last day to drop a class (in person) without a ‘W’, no refund. |
| March 14;              | Last day to file petition for Credit/No Credit                 |
| March 31;              | Cesar Chavez Holiday; College Closed                           |
| April 07-13;           | Spring Break; College Closed.                                  |
| May 11                 | Last day to drop a class in person with a “W”                  |
| May 26:                | Memorial Day; College Closed                                   |
| May 27:                | Non-Instructional Day( No classes/College services open.).     |
| <b>Final Exam</b>      |  |
| <b>Comprehensive :</b> | Monday, June 9, 2014 from 8:00 PM to 10:00 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
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**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, June 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	15%
Tests	50%
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 Math Tutoring Center located in CMS 121

**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.

**Math 227 Elementary Statistics Tentative Schedule**

<b>Date</b>	<b>Monday</b>	<b>Wednesday</b>
Feb 10/ Feb 12	Orientation, Chapter 1	Ch. 2.1-2.3
Feb 17/ Feb 19	<b>Holiday</b>	2.4-Review
Feb 24/ Feb 26	<b>Exam 1 Chapters 1-2</b>	<b>Chapter 3.1-3.2</b>
March 3/ March 5	Chapter 3.3, 4.1	<b>Lab 1 (Chapter 2,3)</b>
March 10/ March 12	Chapter 4.2-4.3	Chapter 4.4-4.5
March 17/March 19	Review Chapter 3-4)	<b>Exam 2 (Chapter 3,4)</b>
March 24/ March 26	Ch. 5.1-5.2	Ch 5.3, 6.1
March 31/ April 2	<b>Holiday</b>	6.2-6.3
April 7/ April 9	<b>Spring Break</b>	<b>Spring Break</b>
April 14/April 16	6.4 Review	<b>Exam 3 Ch. 5-6</b>
April 21/April 23	<b>Lab 2 (Ch. 4-6)</b>	7.1-7.2
April 28 / April 30	7.2-7.3	8.1-8.2

May 5 /May 7	8.2-8.3	8.3-8.4
May 12/May 14	<b>Review</b>	<b>Exam 4 (Chapter 7 &amp; 8</b>
May 19/May 21	<b>Lab III( Ch. 7,8 and 10)</b>	10.1-10.2
May 26/May 28	<b>Holiday</b>	<b>Final Review</b>

June 2/June 4	<b>Final Review</b>	<b>Final Review( optional)</b>
June 9	<b>Final Exam</b>	