Course: Statistics  
Course Number 0372: MW 8:35 am – 10:40 am

Instructor: Mrs. D Renee Butler  
Office Hours: M / W 10:45 am – 12:15 pm, 4:30 – 5 pm  
T / Th 11:30 am – 12:15 pm  
E-mail: butlerdr@lamission.edu  
Messages: (818) 364-7600 ext 4279

Allan G. Bluman, author

Important Dates:  
Sept 26: Last day to drop WITHOUT a "W" in person  
Nov 21: Last day to drop WITH a "W" in person  
Dec 17: 7:30 am – 9:30 am: FINAL EXAM

Student Learning Outcomes  
This is an Elementary Statistics course that covers chapters 1 to 10.  
1. Classify branches of statistics, identify sources of data, evaluate sampling methodologies.  
2. Construct pie charts, bar graphs and histograms, calculate central measures; calculate the five numbers summary, calculate standard deviation.  
3. Calculate probabilities, define random variables, calculate the mean and standard deviation of binomial variables, calculate probabilities using the standard normal distribution tables.  
4. Apply the Central limit Theorem to calculate means and proportions, calculate probabilities for the sampling distributions of the mean and proportions.  
5. Use graphs to determine the shape of parent distributions and estimate the central measures of populations.  
6. Calculate confidence intervals, calculate sample size for means and sample proportions.  
7. Define and test hypotheses for the mean and proportion, apply the z- and t-tests in hypotheses testing, calculate p-values.  
8. Compare two proportions or two means and draw appropriate conclusions, construct confidence intervals for two sample means and two sample proportions.  
9. Calculate the correlation coefficient, determine the regression line.

Homework, Computer Assignments, Worksheets and Quizzes: 20% of your grade  
Homework will be assigned every class session. You are expected to have it completed by the following class session. I will collect homework on quiz and test days. Attempting to work the homework is an essential part of your class preparations. Working together in study groups is an excellent way to learn mathematics. Don’t fall behind in your homework. Keep your assignments up to date or your grade will suffer. Work MUST be shown for full credit. No late homework will be accepted.  
Computer Assignments will be done on Minitab. Demonstrations and assignments will be given in the computer lab.  
Quizzes will be given and NOT necessarily announced in advance.  
No make-ups will be given for quizzes.

Tests: 50% of your grade  
There will be 4 tests. All tests must be taken on the day assigned. THERE WILL BE NO MAKEUPS. If you have extenuating circumstances and know in advance that you will miss an exam, then it is possible to arrange to take it in advance, but only one rescheduled exam will be allowed. Missed exams will be scored as zero. However, one missed exam or your lowest exam grade will be replaced by the score you get on the final as long as this improves your grade. Tests are all closed book and closed notes. A scientific calculator or graphing calculator will be needed for the tests. No cell phone calculators or PDAs are allowed for the tests. No borrowing calculators in class during testing. Please come prepared.

Final Exam: 30% of your grade  
Keep your tests to study for the final exam. The final exam should be taken seriously and will require a good deal of dedication on your part in terms of study time. Several weeks before the final, you should begin reviewing your tests, notes and homework from the semester. The final exam date and time for this class is Wednesday, December 17, 7:30 am – 9:30 am. There is no rescheduling or exception to the day and time of the final exam.
Final Grade:  
Homework & Quizzes 20%  Grade Calculation  A = 90 - 100%
Tests  50%  B = 80 - 89%
Final Exam  30%  C = 70 - 79%

D = 60 - 69%
F = 0 - 59%

Border line grades will be determined by attendance and participation.

Attendance:  
You are expected to attend class regularly, arrive on time and stay for the entire class period. Good attendance shows me that you are putting forth effort. If you need to leave early, please let me know ahead of time. If you miss a class session, you are responsible for the material covered and the assignments for that session. It would be in your best interest to get class notes from another student. (Remember, quizzes and tests cannot be made up.)

The best way to contact me is by email:  butlerdr@lamission.edu
Please note: In the subject area, type the name of this class: Math 227, and your name, or else I will not open the email.

I encourage you to read the book before each class session. Your book contains study tips, and chapter summaries and reviews. Should class be cancelled, please read the material scheduled for that session and attempt the homework.

Classroom Behavior:  
Please limit your talking to discussions with the instructor. Talking to the person next to you disturbs the whole class. The 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. All cell phones, pagers, and electronic devices are to be turned off. Thank you.

Academic Dishonesty  
Honesty and integrity are integral components of the academic process. The “Student Academic Integrity Policy Statement” can be found in the college schedule of classes and/or the college catalog.

Tutoring  
Form a study group with those in class. See me during my office hours or email me if you have questions. Visit the tutoring lab on campus in the library or in the math center. Make use of other services that you may be eligible for here at LA Mission College.

Study Tips  
Start homework as soon as possible. Rewrite the problem being asked. Place a star next to problems you need help with. Study every day in a quiet room, at home or in the library. Review problems that were the most difficult and practice weak areas. Make and use flash cards. Read the book. Do the review problems at the end of each chapter for further practice. Use colored pencils with note-taking and homework.

To succeed in this class:
• Do the homework. Learning math takes practice and there is no better practice than working through the assigned problems.
• Ask questions. Feel free to ask questions during the lectures, especially when you are struggling.
• Read the book. It will answer a lot of your questions and help you understand the lectures better.
• Think positive. Do not get discouraged. Anyone can learn math. For some people, it takes a lot more hard work. You can do it!