

Fall 2019  
Section 18717  
Section 19269

Math 227 Statistics, 4.0 Units.  
Lecture TTH 7:00 pm - 8:25 pm  
Lab TTH 8:35 pm - 9:30 pm

Location: CMS 120  
Location: CMS 120

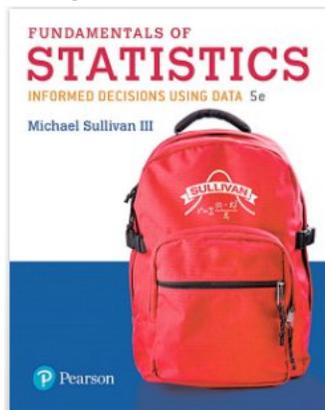
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### Instructor Information:

Instructor: Jose Avendano Jr.  
Website: [MyStatLab.com](http://MyStatLab.com) (Course ID: **avendanojr88162**)  
Office Hours: M,T,W,TH 9:45-10:15 pm; or by appointment

Phone: (818)364-7600, ext. 4407  
Email: [avendaj@lamission.edu](mailto:avendaj@lamission.edu)  
Office: CMS 247

### Required Courseware with eText and Statistical Software:



Math 227 MyLab Statistics MMND with eText for Fundamentals of Statistics: Informed Decisions Using Data for Los Angeles Mission College (by Michael Sullivan III, 5th edition) – Custom Online Access ISBN 0136468977

All students need to purchase the online access code since all learning resources and assignments are provided in MyStatLab. (Physical textbook is optional.) Students can purchase the access code online within the MyStatLab course or at the LAMC bookstore. (Do not purchase the Access code from another website including mypearsonstore.com and other bookstores since it is the custom access code only for LAMC Math 227, 227S, 227A, and 227B.)

We will use StatCrunch, which is embedded in MyStatLab for our web-based statistical software.

### Supplementary Material (Recommended):

Students may purchase the step-by-step instructions to the MyStatLab Tech Demo solutions at the college bookstore at a minimal cost.

### Prerequisite/Placement Information:

Prerequisite: MATH 125 or MATH 134 or MATH 137 **OR**

Placement Information: To take this course you need a high school (HS) GPA of at least 3.0 **OR** a HS GPA of at least 2.6 and have enrolled in HS Precalculus **OR** a HS GPA less than 2.6 and have enrolled in HS Calculus.

### Important Dates:

Last day to enroll with a permission number:	09/08/2019
Last day to drop this class without a "W":	09/08/2019*
Last day to drop with a "W" (By Internet Only):	11/17/2019
Final Exam:	<b>Tuesday, 12/10/2019, 8:00 pm - 10:00 pm</b>

**\*PLEASE NOTE:** A "W" will appear on your transcript record after this date. **REMINDER:** Course repetition is regulated by state guidelines, limiting students to a maximum of three (3) enrollments in a course, to include both substandard grades and withdrawals, unless otherwise specified in the course description.

### Course Description:

Math 227 is an introduction to probability, measures of central tendency and dispersion, descriptive and inferential statistics, sampling, estimation, and hypothesis testing. Analysis of variance, chi-square and student t-distributions, linear correlation, and regression analysis are also presented as topics.

### Course Organization:

Math 227 is not a traditional lecture-based class. StatCrunch, a statistical software, is used intensively in lectures, online built-in assignments, project, and assessments. In order to pass Math 227, students must attend both the class lecture and the lab per class meeting. During the lab hours, students will work on the hands-on lab activities related to the projects and complete the technology demo assignments in the computer lab. The instructor is available to handle individual questions, offer mini-lectures, and establish some collaborative learning environment. The course will follow the tentative timeline (on the last page) as closely as possible.

### 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.

## 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. The procedures for dropping classes are detailed on page 48 of the 2019-2020 Los Angeles Mission College Catalog.

## Withdrawals:

If you stop attending the class (or wish to drop a class), you must drop the class yourself – officially – on or before 11/17/2019. Failure to do so may result in a grade of “F” in the class. A new state policy in effect as of 2012 limits students to **three attempts per course**. Receiving a grade or a “W” for a course counts as an attempt, **regardless of when the course was taken**. Withdrawal by the deadline to avoid a “W” will not count as an attempt. For fall 2019, the deadline to avoid a “W” is 09/08/2019.

## ONLINE Assignments and Quizzes through MyStatLab:

- Students need to have easy access to a computer with Internet access and a working email address. Students enrolled in Math 227 are required to purchase access to MyStatLab, an online courseware, and enroll in the section with **course ID: avendanojr88162**. Online homework and technology assignments and quizzes will be assigned online through this system. Assistance in registering/purchasing the access code will be available the first day of class.
- Students should work on their homework as each section is completed in class. Students are expected to finish their online assignments by the stated due date shown online. A 25% deduction per day will be implemented for late submission for homework questions scored after the due date. Since MyStatLab does not grade each step of a student's work, it is important that students write down their solving steps clearly on a notebook in order to identify mistakes made.
- Students can take an online quiz with multiple attempts before the due date. **No extensions will be granted for online quizzes**. Instructor may require students to turn in all written work per quiz to support answers submitted through MyStatLab. Points may be deducted if work was not shown in a clear and organized manner and labeled neatly for each problem. The lowest quiz score will be dropped.

## Projects during the Lab:

- Students will work on at least one project with real world applications during the lab. Projects will require students to use data and statistical techniques learned in the class to make important decisions. More details will be communicated later.

## 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 **common** final exam will be given on **Tuesday, 12/10/2019**. The final exam will be given through MyStatLab, and computations and analysis will be done using StatCrunch. **No make-up final** will be allowed, and all students must take the final exam in order to pass the class. If the final exam score is higher than the lowest score of the classroom exams, it will be used to replace the lowest exam score.
- All exams will be based on examples worked in class, assigned homework and quizzes, and computer lab materials. A stand-alone scientific calculator and formula sheets provided by the publisher are allowed on exams.

## Grading:

Percentage Distribution		Assigned Grade	
Homework	15%	90 - 100%	A
Quizzes	5%	80 - 89%	B
Project(s)	10%	70 - 79%	C
Four Exams	45%	60 - 69%	D
Final	25%	below 60%	F

For borderline cases, attendance, HW and quiz completion, and level of improvement on the final are considered.

## Tools:

A scientific calculator with statistical functions is required. Cell phones and other forms of hand-held computers are not allowed during in-class assessments, unless permission is given by the instructor for specific tests or assignments.

## **Cheating:**

Any form of academic dishonesty will not be tolerated. If caught, you will be given a zero for that exam or quiz. The event will be reported to the Math Department Chair who will forward the report to the VP of student services for disciplinary action which may include suspension or expulsion.

## **Student Conduct:**

Students are expected to adhere to all school policies, and to abide by the standards of student conduct as described in the 2019-2020 Los Angeles Mission College Catalog on page 52 to 54. Any infringement upon the rights of other students in the class, such as talking or disruptive behavior, will not be tolerated.

## **Class comporment:**

- All students are expected to arrive on time. Late arrivals are disruptive to both the instructor and students. Once seated, do not leave the room until dismissed. Such comings and goings are also disruptive.
- Cell phone must be on silent mode and kept out of sight while in class. Cell phone ringing and text messaging create distractions.
- 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.
- Students are responsible for managing their 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.

## **Tutoring and Support:**

- Topic-specific supports are available through (noncredit) Academic Preparation 027CE Statistics Skills and Preparation I and Academic Preparation 028CE Statistics Skills and Preparation II. Students are highly encouraged to attend these sessions for their successful completion of Math 227.
- **Free** math tutoring is available in the STEM Center (<http://lamission.edu/mathcenter/>) located in CMS 121: Monday thru Thursday 11:00 am-7:00 pm, Saturday 9 am-3 pm; and in the LRC Math Lab (<http://www.lamission.edu/learningcenter/>): Monday thru Thursday 9:00 am-6:00 pm and Friday 10:00 am-4:00 pm.

## **Accommodations for DSPS students:**

LAMC students with verified disabilities who are requesting academic accommodations should use the following procedure:

- Step 1: Obtain documentation of your disability from a licensed professional. You may contact DSPS to request a Disability Verification Form.
- Step 2: Make an appointment to meet with a DSPS Specialist to review your documentation and discuss reasonable accommodations. To schedule a meeting, please call DSPS at (818)364-7732.
- Step 3: Bring your disability documentation to your DSPS appointment. The DSPS office is located in room 1018 of the Instructional Building.
- Step 4: Each semester, reach written accommodation agreement with the DSPS Specialist and your instructor.

To be most effective, students should complete this process by the end of the 3rd week of the semester. Tests with required accommodations must be taken at the DSPS office.

## **Study the textbook:**

The textbook provides a reasonable level of mathematical rigor and many exercises are quite reveling. I strongly encourage you to read/study the text carefully. The lectures are designed as a supplement to and not an alternative for the textbook. Students are expected to master all topics in the textbook unless otherwise indicated.

## Resources Available to Students at LA Mission College:

- **Management of Stress and Mental Health:**

If you, or someone you know is in distress due the pressure of succeeding in school and contending with work, financial issues, relationships, managing time effectively, getting enough sleep, etc., please visit the Student Health Center (SHC), which offers a broad range of confidential student services including counseling and mental health services. The SHC is located in the Campus Services building between the President's Office and the Business Office. The SHC webpage is [www.lamission.edu/healthcenter](http://www.lamission.edu/healthcenter) and the phone number is 818-362-6182. The National Suicide Prevention Lifeline number is 800-273-8255.

- **Bookstore:** For hours of operation, book availability, buybacks, and other information call (818) 364-7798 or 364-7768 or visit <http://eagleslanding.lamission.edu/>
- **Counseling Department:** For appointments and information call (818) 364-7655 or visit <https://www.lamission.edu/counseling/>
- **Disabled Students Programs and Services:** For appointments and information call (818) 364-7732 or visit <http://www.lamission.edu/dsps/>
- **Extended Opportunity Programs and Services:** For appointments and information call (818) 364-7645 or visit <http://www.lamission.edu/eops/>
- **Financial Aid:** For information and applications call (818) 364-7648 or visit <http://www.lamission.edu/financialaid/>
- **Library:** For information on library hours, resources, workshops, and other services contact (818) 364-7105 or 364-7106 or visit <http://www.lamission.edu/library/>
- **Tutoring Services in Learning Center:** Laboratories for Learning & Writing. Walk-in and appointment services offered. Call (818) 364-7754 or visit <http://www.lamission.edu/learningcenter/>
- **STEM Center:** Free Math tutoring, computer and internet access. Call (818) 364-7811 or visit <http://www.lamission.edu/mathcenter/>
- **STEM Program:** For those interested in pursuing a science, technology, engineering or math major, please call the STEM Office at (818) 364-7600 Ext. 4161 or visit <http://www.lamission.edu/stem/>
- **Student Service Resources:** For a directory of student resources, visit <http://lamission.edu/de/student-services/>

## Math 227 Tentative Schedule

Week	Date	Tuesday	Thursday
1	Aug 27 / Aug 29	Ch 1.1 to 1.3 & Intro to MyStatLab	Ch 1.4 to 1.6
2	Sept 03 / Sept 05	Ch 2.1 to 2.3	Ch 3.1 to 3.3
3	Sept 10 / Sept 12	Ch 3.4 to 3.5	Ch 4.1 to 4.2
4	Sept 17 / Sept 19	Review	<b>Exam 1 (Ch 1 to 4)</b>
5	Sept 24 / Sep 26	Ch 5.1 to 5.2	Ch 5.3 to 5.4
6	Oct 01 / Oct 03	Ch 6.1 to 6.2	Ch 7.1 to 7.2
7	Oct 08 / Oct 10	Ch 7.3 Review	<b>Exam 2 (Ch 5 to 7)</b>
8	Oct 15 / Oct 17	Ch 8.1 to 8.2	Ch 9.1 to 9.2
9	Oct 22 / Oct 24	Ch 9.3	Review
10	Oct 29 / Oct 31	<b>Exam 3 (Ch 8 &amp; 9)</b>	Ch 10.1 to 10.2
11	Nov 05 / Nov 07	Ch 10.3 to 10.4	Ch 11.1 to 11.2
12	Nov 12 / Nov 14	Ch 11.3 to 11.4	Review
13	Nov 19 / Nov 21	<b>Exam 4 (Ch 10 &amp; 11)</b>	Ch 12.1 to 12.2
14	Nov 26 / Nov 28	Ch 12.3 to 12.4	<b>Thanksgiving Day</b>
15	Dec 03 / Dec 05	Final Review	Final Review
16	Dec 10 / Dec 12	<b>Final Exam</b> <b>Tuesday, December 10, 8:00 pm - 10:00 pm</b>	