

## Math 227S Statistics Syllabus, 4.0 Units

Fall 2023

Section 26254 (Lecture) TuTh 8:30 AM - 9:55 AM Location: Camp Nidorf

Section 26255 (Lab) TuTh 10:00 AM - 11:30 AM Location: Camp Nidorf



### Instructor Information:

Instructor: John Asatryan Phone: (818) 364-7600 x 4071  
Website: Canvas with MyLab and Mastering Email: [asatryj@lamission.edu](mailto:asatryj@lamission.edu)  
Office Hours: Fri 1:00 pm – 2:00 pm Office: Zoom

### COVID Protocols

District's Covid 19 info: <https://laccd.edu/About/News/Pages/Coronavirus.aspx>

Safety Advisories: <https://laccd.edu/About/News/Pages/Safety-Advisories.aspx>

### General Information

In this class, you will learn basic statistical concepts and techniques through Canvas and Pearson's MyLab and Mastering (MyStatLab). Student registration instruction on MyStatLab with Canvas is included in the syllabus. Please read all the information carefully in this syllabus. If you have any questions, please do not hesitate to contact the instructor via Canvas Inbox or email.

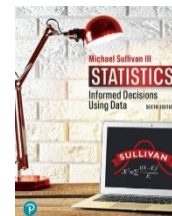
### Required Courseware with eText and Statistical Software

**MyStatLab access code** for **Statistics: Informed Decisions Using Data, 6<sup>th</sup> Edition** (by Michael Sullivan).

All students are required to purchase a MyStatLab access code since all learning resources including eText and assignments are provided in MyStatLab. (Physical textbook is optional.)

Students may purchase the access code online within MyLab and Mastering (MyStatLab) after they log into Canvas or at the LAMC bookstore: [https://eagleslanding.lamission.edu/buy\\_courselisting.asp](https://eagleslanding.lamission.edu/buy_courselisting.asp)

(Do not purchase the access code from other website including mypearsonstore.com and other bookstores since it is the custom access code only for LAMC Math 227/227S.



StatCrunch, a web-based software embedded in MyStatLab will be used for statistical analysis.

### Prerequisite/Placement Information

Prerequisite: MATH 123C or MATH 125 or MATH 134 or MATH 137 or Placement

Placement Information: You may take this course with a high school (HS) GPA of at least 3.0 or a HS GPA of at least 2.6 and had enrolled in HS Precalculus or a HS GPA less than 2.6 and had enrolled in HS Calculus.

### Class Notes

Students are encouraged to enroll in ACAD PR 027CE and ACAD PR 028CE support courses.

### Important Class Dates

Last date to enroll with a permission number: 09/10/2023  
Last date to drop this class without a "W": 09/10/2023  
Last date to drop with a "W" (By Internet Only): 11/19/2023  
Last date to drop with a refund/no fee owed: 09/10/2023  
Final Exam: 12/12/2022, 7:30 am - 9:30 am

**\*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.

## Description

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

The use of technology such as StatCrunch is integrated into the course to perform statistical analysis and the relevance of the statistical findings is interpreted.

## Course Organization

Math 227S 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 227S, students must attend both the class lecture and the lab per class meeting. During the lab hours, students will work on the lab activities related to the projects and complete the technology demo assignments. The instructor is available to handle individual questions, offer mini-lectures, and establish some collaborative learning environment. The course will follow the tentative timeline 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 in Los Angeles Mission College Catalog.

## Withdrawals

If you stop attending the class (or wish to drop a class), you must drop the class yourself through the student portal – officially – on or before **11/19/2023**. Failure to do so may result in a grade of “F” in the class. The state policy 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 2023, the deadline to avoid a “W” is **09/10/2023**.

## 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 227S are required to purchase access to MyStatLab, an online courseware. Online homework, quizzes, Tech Demo assignments, and practice tests will be assigned 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. 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 the projects 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 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 12/13/2023. 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, quizzes, and tech demo assignments. A stand-alone scientific calculator, formula sheets provided by the publisher, and StatCrunch Procedures Summary (StatCrunch Help) are allowed on exams.

## Grading

| <u>Percentage Distribution</u> |     | <u>Assigned Grade</u> |   |
|--------------------------------|-----|-----------------------|---|
| Homework                       | 15% | 90 - 100%             | A |
| Quizzes                        | 15% | 80 - 89%              | B |
| Projects & Lab Activities      | 10% | 70 - 79%              | C |
| Four Exams                     | 35% | 60 - 69%              | D |
| Final                          | 25% | below 60%             | F |

For borderline cases, attendance, participation, 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 assessment, unless permission is given by the instructor for specific tests or assignments.

## Standards for Student Conduct

Dishonesty, such as cheating or knowingly furnishing false information to instructors and college personnel, turning in work that is not one's own will be grounds for disciplinary action at LMC according to the Standards of Student Conduct as described on the LAMC Catalog. The penalty may range from no credit for the assignment up to an "F" grade and disciplinary action. Students are expected to adhere to all school policies, and to abide by the standards of student conduct as described in the Los Angeles Mission College Catalog. Any infringement upon the rights of other students in the class will not be tolerated. Please refer to LACCD Board Rule 9800 for further information.

## Tutoring and Support

- Topic -specific supports are available through (noncredit) Academic Preparation: ACAD PR 027CE Statistics Skills and Preparation I and ACAD PR 028CE Statistics Skills and Preparation II. Students are highly encouraged to attend these sessions for their successful completion of Math 227S.
- Free math tutoring is available via. LAMC LRC Math Center. Please visit the LRC website for more information: <http://lamission.edu/LearningCenter/Home.aspx>
- Math 227S Tech Demo -Video Solutions created by LRC Math Center are available: [Math 227S \(Statistics\) Technology Demo Tutorials](https://youtube.com/playlist?list=PLVWRJebTGnNeJGTpnCxX282Saeg0H4mTC) (<https://youtube.com/playlist?list=PLVWRJebTGnNeJGTpnCxX282Saeg0H4mTC>)

## 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.

## Study the textbook

The textbook (eText) 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. \*Caution: The textbook uses tables, but our lectures and all homework assignments use StatCrunch. You can also use StatCrunch for quizzes and tests.

## 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 can use the LAMC Disability Verification Form. Students exiting high school can use their IEP as a qualifying document.

Step 2: Make an appointment with a Disabled Students Programs and Services (DSP&S) Counselor or Specialist to review your documentation and discuss reasonable accommodations. Please call DSP&S at (818) 364-7732 or use the Online Counter Support on the DSP&S page to schedule an eCounseling appointment.

Step 3: Bring your disability documentation to your DSP&S eCounseling appointment, which will be held through Cranium Café. Be sure to use a laptop or computer with Chrome or Firefox (no smart phones) and a working video camera and microphone.

Step 4: Each semester, you are required to meet with your DSP&S Counselor to review your academic progress and accommodation letter. After meeting with them, your written accommodation agreement will be emailed to your professor(s).

Please complete this process in a timely manner to allow adequate time to provide accommodation. Students who have questions with technology accessing Cranium Café or the webpage should send an email to Online Counter Support for further assistance; contact Adrian Gonzalez at [gonzala@lamission.edu](mailto:gonzala@lamission.edu) or Rachel Povolotsky at [povolor@lamission.edu](mailto:povolor@lamission.edu).

\*Accessibility: For help with alternate format please contact Adrian Gonzalez in DSPS at email: [assistitivetechrequest@lamission.edu](mailto:assistitivetechrequest@lamission.edu). Any student requesting alternate format must be approved for the accommodation.

## 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/>
- **Math 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, and math, please call the STEM Office at (818) 364-7600 Ext. 4164 or visit <http://www.lamission.edu/stem/>
- **Student Services Resources:** For a campus-wide directory of student resources, visit <http://lamission.edu/de/student-services/>
- **COVID-19 Resources:** For COVID-19 Resources, visit <https://www.lamission.edu/Student-Support-Services/Workshop.aspx>

## Math 227S Tentative Schedule

| Week | Date            | Tuesday   | Thursday                 |
|------|-----------------|---|--------------------------|
| 1    | Aug 29 / Aug 31 | Intro & Ch 1.1 - 1.3  | Ch 1.4 - 1.5             |
| 2    | Sep 05 / Sep 07 | Ch 2.1 - 2.4  | Ch 3.1 - 3.2             |
| 3    | Sep 12 / Sep 14 | Ch 3.4 - 3.5  | Ch 4.1 - 4.2             |
| 4    | Sep 19 / Sep 21 | Review  | <b>Exam 1 (Ch 1 - 4)</b> |
| 5    | Sep 26 / Sep 28 | Ch 5.1 - 5.2  | Ch 5.3 - 5.4             |
| 6    | Oct 03 / Oct 05 | Ch 6.1 - 6.2  | Ch 7.1 - 7.3             |
| 7    | Oct 10 / Oct 12 | Review  | <b>Exam 2 (Ch 5 - 7)</b> |
| 8    | Oct 17 / Oct 19 | Ch 8.1 - 8.2  | Ch 9.1 - 9.2             |
| 9    | Oct 24 / Oct 26 | Ch 9.3  | Review                   |
| 10   | Oct 31 / Nov 02 | <b>Exam 3 (Ch 8 - 9)</b>                                    | Ch 10.1 - 10.2           |
| 11   | Nov 07 / Nov 09 | Ch 10.3 - 10.4  | Ch 11.1 - 11.2           |
| 12   | Nov 14 / Nov 16 | Ch 11.3 - 11.4  | Review                   |
| 13   | Nov 21 / Nov 23 | <b>Exam 4 (Ch 10 - 11)</b>                                  | <b>Thanksgiving Day</b>  |
| 14   | Nov 28 / Nov 30 | Ch 12.1 - 12.2  | Ch 13.1, 13.4            |
| 15   | Dec 05 / Dec 07 | Final Review  | Final Review             |
| 16   | Dec 12 / Dec 14 | <b>Final Exam</b><br>Tuesday, 12/12/2023, 7:30 am – 9:30 am |                          |

### Enter Your Canvas Course:

1. Sign into Canvas and enter your Canvas course.
  - Go to <https://mycollege.laccd.edu>
  - Sign in with your organizational account
  - Click



Adjust your notification preferences so you accurately receive all of the class announcements (the email default preference is studentname@student.laccd.edu) - [Notification Preferences \(Video\)](#)

2. Do one of the following:
  - Select the MyLab & Mastering in the Course Navigation, and then select any course link on the Pearson page.
  - Select MyStatLab Course Home in Student Links.

### Get Access to Your Pearson Course Content:

3. Enter your Pearson account username and password to Link Accounts.  
You have an account if you have ever used a Pearson MyLab & Mastering product, such as MyMathLab, MyITLab, MySpanishLab, MasteringBiology or MasteringPhysics.
  - If you don't have a Pearson account, select Create and follow the instructions.
4. Select an access option:
  - Enter the access code that came with your textbook or was purchased separately from the bookstore.
  - Buy access using a credit card or PayPal account.
  - You may click get temporary access without payment for 14 days by selecting the link near the bottom of the page:
5. From the You're Done page, select Go to My Courses.

Note: 1. You do NOT need a course ID since Canvas course is already linked to MyStatLab. If it asks for a course ID, simply close that particular screen and continue. 2. We recommend you always enter your MyLab & Modified Mastering course through Canvas.

### Get Your Computer Ready

For the best experience, check the system requirements for your product at:

<http://www.pearsonmylabandmastering.com/system-requirements/>

### Need help?

For help with MyLab & Modified Mastering with Canvas, go to:

<https://www.pearsonmylabandmastering.com/northamerica/mymathlab/students/support/index.html>

### Pop-ups

If you cannot view MyStatLab with Pearson eText Course Home, please consider disabling your browser pop-up settings to allow all pop-ups for MyStatLab.