

Math 247: Introduction to Statistics

Fall 2017

August 21st to December 21st

CRN: 74141

Hello potential students! My name is Michael Mogull and I look forward to working with you this semester. This class is an 18-week, 4 unit introductory statistics course. You should expect to work on this course for the same number of hours a face-to-face class would: 4 hours in class each week, and 8 hours doing homework, reading, studying, etc, each week. Many students find statistics to be a challenging subject, so if you are uncertain about the online format, you may want to consider our many face-to-face options.

Workload and regular contact:

You should expect to do the following each week:

- Weekly video lectures to watch (times may vary, but no longer than 4 hours per week, and usually much less).
- Weekly reading assignments from the book.
- Weekly homework to be completed either via online program (MyStatLab) or to be completed on paper, then scanned and turned in online.
- Weekly discussion board posts in small groups of 3-5 students (2+ posts per week).
- A quiz on most weeks.
- 4 exams, plus a cumulative final exam.
Dates: Thursdays 9/14/17, 10/12/17, 11/9/17, 12/7/17 at 6:30-8:00pm
Final Exam: 12/21/17 at 6:30-8:30pm
- You will be required to login at least three days per week or you may be dropped from the course (however, if you wish to drop, you should do so yourself; do not rely on the drop policy).
Cuesta College Add Policy:
<http://www.cuesta.edu/student/student-services/admreg/arpolicies/addcourse.html>
Cuesta College Drop Policy:
<http://www.cuesta.edu/student/student-services/admreg/arpolicies/dropcourse.html>

If you need to contact me:

Email is the best way to reach me, I will generally respond to your emails within 24 hours during weekdays only. During busy times of the semester, the response time may increase to 48 hours. On weekends, I will do my best to get back to you ASAP but I cannot guarantee an expeditious response.

michael_mogull@cuesta.edu

You can sometimes reach me at my office phone number: (805) 546-3100 ext. 2822

I will be holding office hours each week both in my office at the Cuesta College San Luis Obispo campus, as well as online. Times TBA.

Course description:

Presents a study of basic descriptive and inferential statistics with applications using data from a broad range of disciplines and use of technology for statistical analysis. Prerequisite: MATH 128 or MATH 127 or MATH 126B. Transfer: CSU; UC (For UC, 4 credit maximum between MATH 236 and 247). (Formerly MATH47)

Student learning outcomes:

1. Calculate summary measures including point and interval estimators of population parameters and interpret them.
2. Calculate probabilities for various experiments including experiments where counting formulas are required.
3. Describe sampling variability and how it applies to a real-world estimation problem.
4. Perform a hypothesis test to answer a specific research question and interpret the results.
5. Calculate and interpret measures of association between two variables.

Textbook:

We will be using the following textbook along with MyStatLab:

Introductory Statistics 2ed, Gould & Ryan ISBN13: 9780321978271 with MyStatLab ISBN-13: 9780134216386 (we will be using MyStatLab)

Your options for how to obtain this are:

- Purchase the book along with MyStatLab access (you may get these bundled together at the Cuesta College bookstore for \$186.75).
- Purchase MyStatLab access only at: www.pearsonmylabandmastering.com, this will have access to an ebook (I don't recommend this option. You would need to be connected to the internet to read the book, and it is a little awkward to use. You need to scroll down to see the whole page, then press the right arrow to go to the next page which takes a second to load – you can imagine why this would not be desirable when studying for an exam and you need to look at many topics in a short time.)

Statistical software:

We will be using statistical software for this course. MyStatLab has the program 'Statcrunch' built in, which you will be using to complete your homework. You may use this throughout the semester to satisfy the technology requirement.

Alternately, you could use Minitab. Many computers on campus have Minitab installed for you to use; this would be sufficient (assuming you are able to spend time on campus doing homework). If you would like to have Minitab for your personal computer, then you may rent it at:

<http://www.onthehub.com/minitab/>, or you may also go to: <https://www.minitab.com/en-us/academic/>. Make sure that you get the *academic* pricing for Minitab, you can get a 30-day free trial and a 6 month rental for \$29.99 (Minitab works on the PC only, there is a Minitab Express for Mac and PC, but it doesn't look the same as the Minitab we use in class). You will have access to either Minitab or Statcrunch (your choice) in the exam room on campus.

Class environment/technological requirements:

You should have access to a computer capable of streaming video and audio files. You should have the capability to scan documents and save them as PDFs to be submitted. The minimum computer requirements are listed at http://www.cuesta.edu/student/aboutacad/distance/faqs_technical.html. You should also be able to save other files (Word documents) as PDFs. Before you enroll, you should go to the [Online Readiness Resources](#) and take the "self-assessment " and review all the resources that were designed to help you understand the basis for an online class and the skills necessary for success. (If the tutorials do **NOT** describe you, then taking this class online is **NOT** for you and I strongly suggest that you drop the online class and enroll in a traditional classroom section.)

This online course will be using a Web-based Learning Management System Canvas as the method to disseminate information. Canvas provides the framework for the course including PowerPoint presentations, student data files, the tools to receive and send course materials, and a grade book. Using the communication tools, you can communicate using e-mail, and you can share materials and ideas with other course participants via the discussion forums and groups.

Prior to the Monday classes start August 21, 2017, you will receive an email to your my.Cuesta.edu address providing you with a reminder that class will be starting and log in procedures for Canvas, the learning management system (LMS) used to deliver course content. You can access Canvas by logging into [MyCuesta](#), then clicking on the Resources Tab, then clicking on Canvas in the Online Learning Channel, or by typing <https://cuesta.instructure.com/> into your browser address bar. Do not bookmark / favorite the canvas site after your login, or you will get an error message next time you try to log in. You must access the canvas log in directly.

If you are not familiar with logging into canvas, please refer to the [Canvas Quick Reference Guide](#). Once logged into Canvas you will be directed on where to get started. Be sure to read all the direction on the course home page.

If you are having difficulty logging into Canvas after August 21, 2017 and need assistance please email me or technical support at support@my.cuesta.edu. You may also find technical support contact information at: http://www.cuesta.edu/student/aboutacad/distance/technical_support.html.

Disabled student services:

If you need course adaptations or accommodations because of a disability or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Please also contact Disabled Students Programs and Services (DSPS) as they are the designated department responsible for approving and coordinating reasonable accommodations and services for students with disabilities. DSPS will help you understand your rights and responsibilities under the Americans with Disabilities Act and provide you further assistance with requesting and arranging accommodations. <http://academic.cuesta.edu/acasupp/dsps/index.htm>

Cuesta College academic honesty policy:

http://www.cuesta.edu/student/documents/admissions_records/code_of_conduct.pdf

