

# Winter 2020 syllabus for Math 10.66Z – online with 3 proctored exams

## Welcome to Statistics

Welcome to Statistics! Statistics is an exciting and interesting subject. I hope you will enjoy learning the material in this course. Please read this syllabus in its entirety. Since this is an online learning class, you should strive to learn the material on your own. I am here to help so please email me or post discussion questions in Canvas if you need assistance. Plan to commit a **minimum of 15 hours per week** to this course – this is a very fast-moving course!

## CONTACT INFORMATION

**Instructor:** Dr Lisa Markus

**Email:** markuslisa@fhda.edu

The best way to contact me is **via the InBox in Canvas**. I will reply by the end of the next school day (School days are Monday – Friday). I am here to help so please use the InBox to contact me or post [Discussion](#) questions in Canvas if you need assistance.

I also have an in-person **Office Hour: Tuesdays 12:30 - 1:45pm in S76F** Please drop by in person or virtually and ask questions! Note that I check email outside of office hours, but during office hours you will be sure to get a reply almost immediately!

## ATTENDANCE POLICY

Attendance is **required** via actively participating online. I will drop any student who has not logged onto the Canvas course and taken the Orientation Quiz by **11:55 pm on FRIDAY 10 January**. If you fail to complete assignments 2 weeks in a row, I may drop you from the course, however, students are responsible TO DROP OR WITHDRAW if they need to. It is also the student's responsibility to check <http://www.deanza.edu/calendar/> ([Links to an external site.](#)) for the De Anza College deadlines. The course-specific dates are in MyPortal.

## VERY IMPORTANT DATES

Proctored (in-person) Exams are in the Media and Learning Center - see the [De Anza College map](#) ([Links to an external site.](#)) - on the following dates:

- **Exam 1: Monday 3 February 5:00 – 6:00pm in MLC 103**
- **Exam 2: Monday 24 February 5:00 – 6:00pm in MLC 103**
- **Final Exam: Monday 23 March - Tentatively, 4:00 – 6:00pm, room To Be Announced**

Scroll to the end of this syllabus for the **Alternate Exam Policy** if you are unable to take these exams on campus with the rest of the class.

## STRATEGIES FOR SUCCESS

1. Keep up on all work – set aside at least 15 hours per week to work on this course.
2. Ask questions!
3. Read the textbook in WebAssign and take advantage of the other resources in Canvas.
4. Start the homework long before it is due.

## REQUIRED MATERIALS

- **WEBASSIGN:** To access **WEBASSIGN ONLINE HOMEWORK** (Not available until start of the quarter), follow the links to WebAssign in Canvas. WebAssign includes the **Textbook as an e-book**. WebAssign costs about \$35. **For EACH** homework, be sure to click the link to that homework in Canvas. Use the direct links for each chapter, OR click on Assignments on the left side of this page
- **TEXTBOOK:** *Introductory Statistics* by Illowsky and Dean. (print or online) All of the text is free online, and is included as an e-book with WebAssign. Alternatively, use or download at: <https://openstaxcollege.org/textbooks/introductory-statistics/get> (Links to an external site.) or at <http://cnx.org/content/col11562/latest> (Links to an external site.) You may also purchase a printed copy at the De Anza College bookstore: <http://books.deanza.edu/home.aspx> (Links to an external site.)
- **CANVAS:** [deanza.instructure.com](http://deanza.instructure.com) (Free.) Used for links to lectures and videos, keeping track of your grades, doing homework, and for downloading and uploading projects.
- **CALCULATOR:** A TI-84 graphing calculator (or equivalent) is essential throughout the course and is needed for the exams. It must be a physical calculator, not an app on your phone, etc.
- **3 SCANTRONS:** 3 long green scantrons - #882-E at the college bookstore counter - bring these to the exams.
- **Some files in the course are pdf.** Download [Acrobat Reader \(Links to an external site.\)](#), if you do not already have it so you can read the pdf files.

## Note to students with disabilities

If you have a disability-related need for reasonable academic accommodations or services in this course, provide me with a Test Accommodation Verification Form (also known as a TAV form) from Disability Support Services (DSS) or the Educational Diagnostic Center (EDC). Students are expected to give **one week** notice of the need for accommodations. Students with disabilities can obtain a TAV form from their DSS counselor (408 864-8753 DSS main number) or EDC advisor (408 864-8839 EDC main number). The application process is here: <https://www.deanza.edu/dsps/dss/applynow.html> (Links to an external site.)

## No Make-Ups

**There are absolutely NO MAKEUPS for any missed work, and no late work will be accepted.** I count your top 2 exam scores (out of the 3 exams), plus the final exam score. Therefore, it is possible your final exam score will be counted twice. If you do not take the final exam, your course grade will be F. Late projects will receive a grade of 0. Homework in WebAssign will not be accepted late. For the homework on WebAssign, and the Canvas quizzes, I only take your top 10 grades. This **also takes into account any technical difficulties** that may occur.

## Classroom Behaviour

PLEASE be respectful of other students. During exams, **all electronic devices** (other than your calculator) **must be OFF** (not vibrate mode). If your phone, pager, or any other electronic device goes off during an exam, even on vibrate mode, your exam must be turned in immediately and you may receive a 0 for the exam. You may not look at your phone during an exam. Disrespectful behaviour (which includes, but is not limited to, noise from electronic devices) may result in you being asked to leave the class, and/or being dropped from the class, and/or being reported to the Dean, any of which could result in an F for the course.

## Cheating

Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade in the assignment and will be reported to college authorities. However, on the projects you are encouraged to work in groups of up to 4 people and submit one project per group.

## Online Homework

The purpose of homework is to help you learn the material in the course. You learn the most and do your best if you work through the homework problems. Your 10 highest **WebAssign** homework scores count towards your final grade, this also takes into account any technical difficulties you may have. **NO EXTENSIONS WILL BE GRANTED. Each homework question may be submitted up to 5 times**, so for each homework your score should be close to 10. To access the homework, for each chapter **click on the links in Canvas!**

## Projects

Projects may be done groups of up to four members - you may post in the course Discussions to find people to work with. Turn in one copy with all of the group members' names on the project. Working alone is also acceptable. **Late papers will receive a grade of 0.** Projects must be uploaded in Canvas as a **SINGLE** attachment (a single file, NOT a folder with several files) by the due date and time. Attachments that are blank or cannot be opened receive a grade of 0. If you upload more than one file, I will choose only one file to grade. There are 5 projects, and one project grade is dropped.

## Exams

Two Midterm Exams and one Final Exam will be given during the quarter. Bring a pencil and an eraser to the exam. You must also **BRING A PHOTO ID, Scantron #882-E, and calculator**, You may also bring one 8 1/2 inch by 11 inch page (both sides - this is only ONE piece of paper, not two glued together, etc.) of notes for the Exams (TWO pages for the Final Exam), and, if English is a second language, a print (not electronic) English **translation** dictionary (word for word, NOT long explanations).

## Feedback

For **EVERY** assignment, be sure to review the correct answers to help understand what you went wrong, and thoughtfully ask me any questions on anything you need help with. In WebAssign there is a Key icon to click on after the due date and time. Also, in WebAssign, there is an "ask the instructor" button - please use this! For the projects, check out the rubric in Canvas and review any comments I write about your work after it is graded. Expect the project grades with comments within 3 days of the due date. For the 2 mid-term exams, you will be able to pick up your completed and graded exam. The exams should (I hope!) be available for pick up within 2 days of you taking them on campus - I will post an announcement when the exams are ready to be picked up.

## Grades

Summary of assignments for the course

Type	Description	Maximum Points
3 Exams (2 midterms plus final exam)	Top 2 out of 3 at 100 points each	200
Final Exam *	100 points	100
Online Quizzes (includes orientation quiz)	14 at 10 points each, 4 lowest dropped	100
Projects	5 at 25 points each, 1 lowest dropped	100
WebAssign online homework	13 at 10 points each, 3 lowest dropped	100
TOTAL		600

\*If you do not take the Final Exam your grade for the course will be F.

Percentage needed for each letter grade

Letter Grade	Lowest Percent for the letter grade
A	93%
A-	90%
B+	87%
B	83%
B-	80%
C+	77%
C (PASS)	70%
D+	67%
D	63%
D-	60%
F	0%

## Tentative Calendar

Calendar for the Course

Week, Monday date	Topic to study this week	Projects and Exams - MONDAY	Online homework and quizzes due SUNDAY NIGHT 11:00pm Cupertino Time
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Week 1 6 Jan	Chapter 1: Sampling and Data		Orientation Quiz (due <b>Friday</b> ) Canvas Quiz Chapter 1 WebAssign Homework Chapter 1
Week 2 13 Jan	Chapter 2: Descriptive Statistics		Canvas Quiz Chapter 2 WebAssign Homework Chapter 2
Week 3 20 Jan	Chapter 3: Probability Topics	Project 1 on Chapter 2 Due Monday 20 January	Canvas Quiz Chapter 3 WebAssign Homework Chapter 3
Week 4 27 Jan	Chapter 4: Discrete Random Variables	Project 2 on Chapter 3 Due Monday 27 January	Canvas Quiz Chapter 4 WebAssign Homework Chapter 4
Week 5 3 Feb	Chapter 5: Continuous Random Variables Chapter 6: Normal Distribution	Exam 1 Chapters 1,2,3,4 Monday 3 February	Canvas Quiz Chapter 5, 6 WebAssign Homework Chapter 5, 6
Week 6 10 Feb	Chapter 7: The Central Limit Theorem		Canvas Quiz Chapter 7 WebAssign Homework Chapter 7
Week 7 17 Feb	Chapter 8: Confidence Intervals	Project 3 on Chapter 7 Due Monday 17 February	Canvas Quiz Chapter 8 WebAssign Homework Chapter 8
Week 8 24 Feb	Chapter 9: Hypothesis Testing with One Sample	Exam 2 Chapters 5,6,7,8 Monday 24 February	Canvas Quiz Chapter 9 WebAssign Homework Chapter 9

Week 9 2 March	Chapter 10: Hypothesis Testing with Two Samples	Project 4 on Chapter 9 Due Monday 2 March	Canvas Quiz Chapter 10 WebAssign Homework Chapter 10
Week 10 9 March	Chapter 12: Linear Regression and Correlation		Canvas Quiz Chapter 12 WebAssign Homework Chapter 12
Week 11 16 March	Chapter 13: F-Distribution and One-Way ANOVA Chapter 11: The Chi-Square Distribution	Project 5 on Chapter 12 Due Monday 16 March	Canvas Quiz Chapter 11, 13 WebAssign Homework Chapter 11, 13
Week 12 23 March		Final Exam Chapters 1-13 Monday 23 March	

## Alternate Exam Policy

If you prefer not to take the exams on the official dates and times you may **REQUEST** to take the exam elsewhere (note that the only options for taking the exams at De Anza College are during the official dates and times, since De Anza College no longer has a testing center).

If you wish to take the exam at an alternative day/time, you must have **COMPLETED** the arrangements at least **ONE WEEK** in advance of the official day for **EACH** exam.

1. **You may ONLY take the exam on Monday or Tuesday of the official exam week.**
2. **Make an appointment to take the exam with a testing center.** You must email me to let me know the day and time of your appointment, and contact information for the testing center. Approved testing centers are members of the Consortium of College Testing Centers OR a US Forces base overseas OR San Jose State University's proctoring center. You must email me the place, plus the name, phone and email of a contact person at the testing center (see below).

See <https://www.ncta-testing.org/find-a-cctc-participant> (Links to an external site.) for a list of testing centers, and also check **San Jose State University** at <http://testing.sjsu.edu/proctor/> (Links to an external site.)

3. I will contact the testing center **within 1 school day** of you contacting me.
4. I must have **received** a response from the testing center at least **ONE** week in advance of the official exam.

If these arrangements are not **completed 1 week** in advance, your options are either to take the exam with the class at the scheduled time on campus or to miss the exam and receive a grade of 0. "**Completed**" includes me getting a response from the testing center at least one week before the exam.

Completed exams and the solution sheet must be **emailed** to me by your testing center by noon Cupertino time of the following day. Any late work will receive a grade of 0.

**Please be sure to provide me the following information in a SINGLE email:**

1. **Place you have an appointment to take the exam.**
2. **Name, phone and email of a contact person at the testing center.**
3. **Day and time of your appointment for each exam.**

## **IMPORTANT NOTE:**

You should always, throughout this course, include leading zeroes, for example write 0.57 **NOT** .57.

**Student Learning Outcome(s):**

\*Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.

\*Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.

\*Collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.