

# MATH 10.66Z Statistics in Spring 2017

## TUESDAY 6:30 – 8:20pm and Online

### **CONTACT INFORMATION**

**Instructor:** Dr Lisa Markus

**Email:** [markuslisa@deanza.edu](mailto:markuslisa@deanza.edu)

The best way to contact me is **via email**. I will reply by the end of the next school day.

**Office Hour In Person:** TUESDAY 5:15pm – 6:00pm in S 76 F,

**Office Hour Online:** TUESDAY Noon – 12:30 pm via Email, if you email me during this time you will get a reply almost immediately. ([markuslisa@fhda.edu](mailto:markuslisa@fhda.edu)), or by appointment

**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. This is an online learning class with a weekly on-campus meeting, 6:30 – 8:20pm on Tuesday. 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.

### **ATTENDANCE POLICY**

Attendance is **required** via actively participating online and attending the class meetings. I will drop any student who has not logged onto the Canvas course and taken the Orientation Quiz by **11:55 pm on Wednesday 12 April**. I will drop any student who misses the first class meeting on **Tuesday 11 April**, unless prior arrangements are made. If you miss 2 weeks in a row (assignments and/or attending class) 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/> for the De Anza College deadlines.

### **Math 10 Student Learning Outcomes**

- (1)** 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.
- (2)** Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.
- (3)** 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.

## **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! See the Getting Help section of this syllabus.
3. Read the textbook and take advantage of the other resources in Canvas.
4. Start the homework long before it is due. It is best to submit the homework before attempting the online quizzes.

## **REQUIRED MATERIALS FOR MATH 10**

- **TEXTBOOK:** *Introductory Statistics* by Illowsky, Barbara, and Dean, Susan. (print or online) All of the text is free online. Use or download at: <https://openstaxcollege.org/textbooks/introductory-statistics/get> or at <http://cnx.org/content/col11562/latest> You may also purchase a printed copy at the De Anza College bookstore: <http://books.deanza.edu/home.aspx>.
- **NOTEBOOK** – download from Canvas, or pick up at the De Anza bookstore.
- **CANVAS:** [deanza.instructure.com](http://deanza.instructure.com) (Free.) Used for links to lectures and videos, keeping track of your grades, taking online quizzes, and for downloading and uploading projects.
- **WEBASSIGN:** To access **WEBASSIGN ONLINE HOMEWORK** (Not available until start of the quarter. Costs about \$35.) Follow the links to WebAssign in Canvas.
- **CALCULATOR:** TI-83+ or TI-84+. Must be a physical calculator, not an app on your phone, etc.
- **4 SCANTRONS:** 4 long brown scantrons - #2052 at the college bookstore counter.

## **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).

## **No Make-Ups**

**There are absolutely NO MAKEUPS for any missed work.** I count your top 3 exam scores (out of the 4 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 at the given time, your course grade will be F. Exams not taken at the official time will result in a grade of 0. Late projects will receive a grade of 0. Homework in WebAssign will not be accepted late. Quizzes in Canvas will not be accepted late. For the homework on WebAssign and the quizzes in Canvas, 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 class, **all electronic devices**, other than your TI 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. 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.

## **Topics to Skip: skip the following topics.**

Chapter 3: Venn Diagrams

Chapter 4: Geometric, Hypergeometric, Poisson

Chapter 7: Central Limit Theorem for Sums

Chapter 11: Test for Homogeneity, Test of a Single Variance

Chapter 13: Test of Two Variances

## **Getting Help**

- Tutoring is available both on-campus and online. See <http://deanza.edu/studentsuccess/mstrc/>
- Post questions in the Discussion section in Canvas.
- Visit me during my office hours.
- Email me at [markuslisa@fhda.edu](mailto:markuslisa@fhda.edu) (expect reply by end of next school day).
- Form a study group with other students in the class.

## **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 do 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. Doing the homework before taking the quiz is best. Each homework question may be submitted up to 5 times.**

## **Projects / Technology Based Activities**

Projects make use of the TI graphing calculator, and may be done groups of up to four members. Turn in one copy with all of the group members' names on the top. **Late papers will receive a grade of 0.** Projects are due same day as the exams, and may be handed in at the beginning of the exam with all pages **STAPLED**, or 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.

## **Quizzes**

There are 14 **online** quizzes in Canvas. Your 4 lowest online quiz scores will be dropped, this also takes into account any technical difficulties you may have. **NO EXTENSIONS WILL BE GRANTED.** There are 8 in-class quizzes. Your lowest 2 grades will be dropped. N

## **Exams**

Three Midterm Exams and one Final Exam will be given during the quarter. Bring a long brown scantron (#2052 at the college bookstore counter), a #2 pencil and an eraser to the exam. You must also **BRING A PHOTO ID**. You may 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), a calculator (NOT an app on your cell phone, etc.), and, if English is a second language, a print (not electronic) English translation dictionary.

## **Grades**

| Type                            | Description                           | Maximum Points |
|---------------------------------|---------------------------------------|----------------|
| 4 Exams (3 midterms plus final) | Top 3 out of 4 @ 100 points each      | 300            |
| Final Exam *                    | 100                                   | 100            |
| Online Quizzes                  | 14 @ 10 points each, 4 lowest dropped | 100            |
| In-class Quizzes                | 8 @ 20 points each, 2 lowest dropped  | 120            |
| Projects                        | 4 at 30 points each, 1 lowest dropped | 90             |
| WebAssign online homework       | 13 @ 10 points each, 3 lowest dropped | 100            |
| TOTAL                           |                                       | 810            |

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

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

### Tentative Calendar Spring 2017

|                           | <b>In Class</b>   | <b>Online – check CANVAS for due times!</b>                     |
|---------------------------|---|---|
| Week 1: Tuesday 11 April  | Chapter 1 examples<br><b>Intro Quiz</b>                               | Orientation Quiz (due Wednesday 12 April)                       |
| Week 2: Tuesday 18 April  | Chapter 2 examples<br><b>Chapter 1 Quiz</b>                           | Canvas Quiz Chapter 1<br>WebAssign Homework Chapter 1           |
| Week 3: Tuesday 25 April  | Chapter 3 examples<br><b>Chapter 2 Quiz</b>                           | Canvas Quiz Chapter 2<br>WebAssign Homework Chapter 2           |
| Week 4: Tuesday 25 April  | Exam Chapters 1,2,3<br>Chapter 4 examples<br><b>Project 2 Due</b>     | Canvas Quiz Chapter 3<br>WebAssign Homework Chapter 3           |
| Week 5: Tuesday 25 April  | Chapter 5, 6 examples<br><b>Chapter 4 Quiz</b>                        | Canvas Quiz Chapter 4<br>WebAssign Homework Chapter 4           |
| Week 6: Tuesday 25 April  | Chapter 7 examples<br><b>Chapter 5,6 Quiz</b>                         | Canvas Quiz Chapter 5, 6<br>WebAssign Homework Chapter 5, 6     |
| Week 7: Tuesday 25 April  | Exam Chapters 4,5,6,7<br>Chapter 8 examples<br><b>Project 7 due</b>   | Canvas Quiz Chapter 7<br>WebAssign Homework Chapter 7           |
| Week 8: Tuesday 25 April  | Chapter 9 examples<br><b>Chapter 8 Quiz</b>                           | Canvas Quiz Chapter 8<br>WebAssign Homework Chapter 8           |
| Week 9: Tuesday 25 April  | Chapter 10 examples<br><b>Chapter 9 Quiz</b>                          | Canvas Quiz Chapter 9<br>WebAssign Homework Chapter 9           |
| Week 10: Tuesday 25 April | Exam Chapters 8, 9, 10<br>Chapter 12 examples<br><b>Project 9 due</b> | Canvas Quiz Chapter 10<br>WebAssign Homework Chapter 10         |
| Week 11: Tuesday 25 April | Chapter 11, 13 examples<br><b>Chapter 12 Quiz</b>                     | Canvas Quiz Chapter 12<br>WebAssign Homework Chapter 12         |
| Week 12: Tuesday 25 April | Final Exam<br><b>Project 12 Due</b>                                   | Canvas Quiz Chapter 11, 13<br>WebAssign Homework Chapter 11, 13 |