



## Syllabus for Elementary Statistics

Math 10-sec 01: ID 01502

*Elementary Statistics*, Fall 2018

Instructor	Office	Phone	E-mail	Class days/Time	Location	Office Hours*
Neelam R. Shukla	E 37	408- 913-5225	Shuklaneelam@fhda.edu	MTWThF 7:30 am 8:20 am	G4	Friday 9:45 am-11:45 am E 37

This is a demanding, but rewarding class. It will take a minimum of 10 hours per week of study and group work. This is also a collaborative class. You will be expected to work with your classmates both inside and outside of class (no exceptions).

**Textbook:** Text: **Collaborative Statistics, 1st Edition by Illowsky and Dean**  
<https://openstax.org/details/introductory-statistics>  
This text is available for free downloading at You may download the text for free onto your computer and print out the pages you want.

**Materials:** **TI84 or TI-83 PLUS** graphing calculator (see [www.rentcalculators.org](http://www.rentcalculators.org) to rent a calculator for \$9 per month);  
**Math 10 Worksheet Packet:** available for purchase at the bookstore.  
**Ruler, small stapler.**

**Instructor Web site:** <http://faculty.deanza.fhda.edu/mathiosdiane/>

**Quizzes:** Quizzes and group quizzes are closed book and with one page of handwritten notes (one side) allowed. Quizzes will test your understanding and completion of the homework problems. **Your lowest quiz grade will be dropped. No make-ups are given. 20%**

**Labs: Projects:** Lab assignments make use of the calculator. **10 %**

**Homework:** The purpose of homework is to help you learn the material in the course. **Do the practices first.** We will usually start them in class. They must be turned in with your HW. Then do the HW problems assigned. The answers are at the end of each chapter. You must show your work for all HW problems. Graphs must be done with a ruler. No credit will be given for answers only. **Each student may turn in a HW assignment one day late ONCE during the quarter. Other than this, no late HW will be accepted. Your lowest HW score will be dropped. 10%**

**Exams:** 4 exams will be given. **No make-ups are given.** Exams are closed book. Students may bring to the exam one 8 ½" x 11" page (both sides) of **handwritten** notes, a calculator, and, if English is a second language, an English translation dictionary. *One minimum score will be deleted. 35%*

**Final Exam:** A two-hour comprehensive exam will be given. Students may bring 2 pages (both sides) of handwritten notes to the final. **Finals must be taken at scheduled time during finals week. 25%**

**Attendance:** You are expected to attend all classes and be punctual.

**Labs, homework and projects** are due by the start of class on the due date and next-2 day with **credit reduction.** *They may be turned in earlier, but THEY WILL NOT BE ACCEPTED LATER than two days.*

- **Dates for Exams and quizzes:**
- Exam 1: 2<sup>nd</sup> Oct
- Exam 2: 17 Oct
- Exam 3: 9 Nov
- Exam 4: 23<sup>rd</sup> Nov
- Exam 5 : 5<sup>th</sup> Dec (leave 1 exam and 1 Quiz with least score)

• Grade Breakdown: 90-93 % A-, 94–100% = A, 80-83 B-, 84–86% = B, 87-89 B+ 70–75% = C. 76-80% C+, 60-69% D. below 60% = F.

24-28 Sept	Chapter 1 Sampling and Data, Descriptive Statistics <b>group-Quiz 1(chap 1)</b>	
1-5 Oct	Descriptive Statistics; Probability Topics	<b>Exam 1 ( Chap 1,2) LAB 1</b>
8-12 Oct	Probability Topics; Discrete Random Variables <b>Quiz 2(Chap 3,4)</b>	
15-19 Oct	Continuous Random Variables	<b>Exam 2 ( Chap 3,4,5) LAB 2</b>
22- 26 Oct	Normal Distribution; Central Limit Theorem	
29-31 Oct 1-2 Nov	Confidence Interval Group <b>Group-Quiz3 (Chap 6,7,8)</b>	<b>LAB 3</b>
5-9 Nov	Hypothesis Testing with One Sample	<b>Exam 3 (Chap 6,7,8,9)</b>
12-17 Nov	Hypothesis Testing with Two Samples <b>Quiz 4( Chap 9)</b>	<b>LAB 4</b>
19-23 Nov	Chi-Square Distribution , Linear Regression and Correlation	<b>Exam 4 (Chap 9,10)</b>
26- 30 Nov	F-Distribution and review <b>Group-Quiz 5 (Chap 11,12)</b>	<b>LAB 5</b>
3-7 Dec	One-Way ANOVA	<b>Exam 5(10,11,12)</b>
10th Dec Final Week Thursday	Final Exam (1-13)	<b>Final Exam: Monday 7-9 am</b>

**Important dates: SEPTEMBER 24** First day of Fall Quarter

**OCTOBER 6** Last day to add classes  
**OCTOBER 7** Last day to drop classes with no record of "W"  
**OCTOBER 19** Last day to request "Pass/No Pass"  
**NOVEMBER 12** Veterans Day - Campus Closed  
  
**NOVEMBER 16** Last day to drop classes with a "W"  
  
**NOVEMBER 22-25** Thanksgiving Holiday - Campus Closed  
**DECEMBER 10-14** Final Exams

**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.