

**CLASS MODE: 100% synchronous with SPECIFIC online meeting days and times each week.**

**Course structure:** weekly materials are divided into modules. Each module follows the course calendar on page#3. Canvas Module is where you will find everything for the course during each week. Each module will be available for accessing and viewing on Sunday at the beginning of each lecture week.

All the materials will be posted on Canvas including live video lectures, solutions to tough problems, website for additional study, quizzes, exams, and final. It is the student's responsibility to check Canvas daily once the quarter starts for latest updates from the instructor.

**SPECIAL NOTE: All registered students must do the Canvas Syllabus Quiz during the first day of class to stay in the class. If you fail to do the Canvas Syllabus Quiz, you will be dropped on the second day of class.**

**Instructor:** Vinh Kha Nguyen

**Office Hours:** M,T,W,Th 12:30-1:00PM on Canvas Zoom

Office hours are an opportunity for students to receive free tutoring from the instructor. This is your chance to ask questions you have from studying or doing homework, to discuss your grade or seek advices. Please note that the instructor does not go over homework questions during lecture hours.

**How to contact instructor:** [nguyenvinh@fhda.edu](mailto:nguyenvinh@fhda.edu) or Canvas Inbox the instructor (preferably)

**Textbook:** Inferential Statistics and Probability by Maurice A. Geraghty. Fee online copy at <http://nebula2.deanza.edu/~mo/holistic/HolisticStatisticsRev190325.pdf>

**Required Materials:** StatCrunch (\$15 for 6 months, it is much cheaper but useful than a calculator) <https://www.statcrunch.com/register/student>

**Meeting Time:** M-F 8:30-9:20AM, live lecture on Canvas Zoom (see course schedule on pg.3 for more detail)  
Live lecture will be recorded and uploaded on Canvas Module.

**Canvas Zoom link:** <https://cccconfer.zoom.us/j/3145420715>

**Grade** is composed of 6 homework, 3 quizzes, 2 exams and 1 final.

0-59% F	80-82% B-	90-92% A-
60-69% D	83-86% B	93-96% A
70-76% C	87-89% B+	97-100% A+
77-79% C+		

homework	quizzes	exams	final	total
40pts	60pts	180pts	120pts	400pts

**Homework:** each hw due date is posted on the course calendar. *Late homework gets 0pts regardless of excuses. Student must submit hw on the Canvas Assignment tab or Canvas Module tab on the due date to get credit.*

**Quiz:** each quiz date is posted on the course calendar. *Missed quiz gets 0pts regardless of excuses.*

**Exam:** each exam date is posted on the course calendar. *Missed exam gets 0pts regardless of excuses.*

**Final:** comprehensive! Will be given during final week. There is no make-up for final exam.

**Extra credit:** There is no extra credit in this class and no dropping lowest exam or lowest quiz, students must be serious about this class and students are expected to work hard from the start to the end of quarter.

**Makeup Policy:** No makeup quizzes or exams are available. However,

**Only one missed quiz due to an excused absence or emergency will be covered by the next quiz (doubling points).**

**Only one missed exam due to an excused absence or emergency will be covered by the final exam (converted to a percentage).**

Student must notify the instructor in advance of a missed quiz or a missed exam to use the makeup policy.

**Quiz, exam, and final procedure:**

- Each student must place all electronic stuffs inside backpack and place it in front of the whiteboard.
- Only take what is needed for the exam to the desk such as pencil and eraser.
- If a student is caught cheating during an exam, that student gets an F in the course. Bye bye! Sayonara!
- If a student's smartphone rings during an exam, that student's exam will be taken away and will be graded as it is.
- There is no time extension for students who arrive late.

**Grade improvement:** Math is challenging, and the only way to build confidence is through practice and more practice. Other strategies: take good note during lecture, form study group, do hw sooner than later, seek help when need help, understanding rather than memorizing, prioritize tasks, do not multi-tasking while studying, etc.

**Campus tutoring, additional assistance, and Internet resources:**

- On campus tutoring in S43: <https://www.deanza.edu/studentssuccess/mstrc/>  
M-Th 8:30am-6pm, F 8:30am-12:30pm
- Student's services: <https://www.deanza.edu/services/>  
Disability Support Service, EOPS, Veterans, CalWORK, Foster Youth, Food Pantry, Health Service, etc.
- The Internet: Youtube lecture video, Khan Academy, Paul's note, Wolfram Alpha, Microsoft Math Solver, Desmos, GeoGebra, etc.

**Students' responsibility:**

- Students are expected to behave as educated adults, be accountable for any of your actions.
- Since the pace of the class may be quite fast at time, you are expected to seek help as soon as you realize that you are falling behind. Visit campus tutoring center, form study groups, and visit instructor office hours when possible. Instructor is always available for help or advice.
- *What? Is there a time commitment for this class?* YES, students are expected to spend at least two hours studying, reviewing, and doing homework outside of class for each hour in this class.
- Take good note by yourself or from another classmate. A detailed lecture note is one of the best resources to do homework and to prepare for exams and final.

**Attendance:** Students are expected to attend all class meetings, arrive on time, take note, and stay for the entire class. The instructor reserves the right to drop/withdraw students who are absent more than five lectures during the quarter. However, **a student who discontinues coming to class and does not drop the course will get an F.** It is the student's responsibility to drop the course.

**Withdrawal/Drop Policy:** It is the ultimate responsibility of the student to formally drop the class. Do not rely on the instructor to drop.

**Disruptive Student:** A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action.

**Smartphone Use:** All smartphones must be on silent mode and put away during lecture. We do not learn how to text or searching the Web in this class, so there is no reason to have smartphones out during class unless the instructor allows so to access Wolfram Alpha or GeoGebra during group work.

**Academic Dishonesty:** Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade F in the course and will be reported to college authorities.

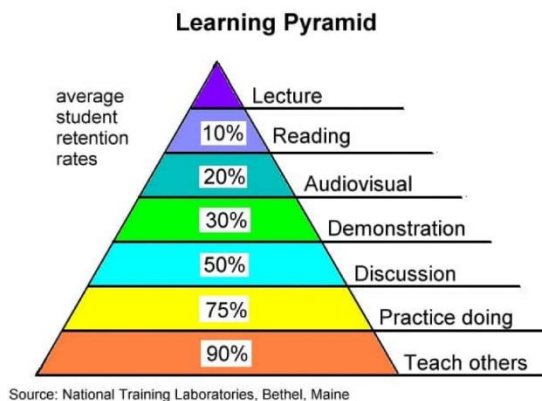
**Expected Student Conduct:** A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. During the quarter, if you have any questions about the course policies, you will be first referred to this syllabus. Please make sure you keep a copy. You can find Foothill-De Anza College Code of Conduct at <https://www.deanza.edu/student-development/conduct.html>

**Accommodation:** Students who need additional accommodations, due to learning disability or some other reason, please contact the instructor during the first two weeks of class to discuss your options. Disability Support Services determines accommodations based on appropriate documentation of disabilities. DSS is located in Student Community Services building room 141, and their phone number is (408) 864-8753.

Tentative schedule

M	T	W	TH	F
4/13 Syllabus, Canvas	4/14 Ch1	4/15 Ch1	4/16 Ch2 tables & graphs	4/17 Ch2 tables & graphs
<b>4/20 Hw#1, Quiz#1</b> Ch3 center and spread	4/21 Ch3 center &spread	4/22 Ch3 Catching up	<b>4/23 Hw#2</b> <b>EXAM#1</b>	4/24 Ch4, basic probability
4/29 Ch4, advance probability	4/28 Ch4, advance probability	4/29 Ch4, probability form tables of data	4/30 Ch4, tree diagram probability	<b>4/31 Hw#3, Quiz#2</b> Ch5, discrete probability
5/04 Ch5, expected value	5/05 Ch5, counting	5/06 Ch5 binomial probability formula	5/07 Ch5 binomial probability technology	5/08 Ch6, z-scores & SND
5/11 Ch6, probability of normal distributed data	5/12 Ch6, percentile and inverse normal	5/13 Ch6, central limit theorem	5/14 Ch6, sampling distribution	<b>5/15 Hw#4</b> <b>EXAM#2</b>
5/18 Ch7, estimate pop proportion	5/19 Ch7, estimate population mean	5/20 Ch7, estimate difference of 2 pop proportions	5/21 Ch7, estimate difference of 2 pop means	<b>5/22 Hw#5, Quiz#3</b> Ch8 intro in hypothesis testing
<b>5/25 MEMORIAL HOLIDAY</b>	5/26 Ch8, setting up hypothesis	5/27 Ch8, labeling test stat and p-value	5/28 Ch8 testing claim about pop mean	5/29 Ch8 testing claim about pop proportion
6/01 Ch8, testing claim about the mean of differences	6/02 Ch8, testing difference of 2 population means	6/03 Ch8, testing difference of 2 population proportions	6/04 Ch8 review	<b>6/05 hw#6</b> <b>EXAM#3</b>
6/08 Ch9, correlation coefficient	6/09 Ch9, linear correlation	6/10 Ch9, examples	<b>6/11 Hw#7, Quiz#4</b> Ch10, contingency table	6/12 Ch10, test for independent
6/15 Ch10, goodness-of-fit	6/16 Ch10, estimation of population variance	6/17 Ch10, ANOVA testing on groups of data	6/18 Review	6/19 review
6/22	6/23	<b>6/24 FINAL EXAM</b> <b>7:00-9:00AM</b>	6/25	6/26

4/24 Last day to drop no show  
 4/25 Last day to add a class without W  
 4/27 CENSUS  
 6/05 Last day to drop a class with W  
 6/22 – 6/23 Final Exam week



## STATISTICS Homework

- Homework is graded on completeness and neatness, see tentative calendar for due date.
- Why should students care about showing work and getting the correct answers?
  - **Practice makes confidence**
  - **Help to do similar problems much faster on exam**
- Students are responsible to do all homework and submit the work on time,
  - Hw without **Last Name, First Name format** is -1pt
  - Hw without clear sections labeling & problems listing is -1pt
  - Starting new section **NOT** on new paper will be -1pt
  - Hw without show work will be -1pt for each section (Do **NOT** write only the answer)
  - Late hw gets a solid 0pt, so do not submit late hw.

Each homework worksheet will be posted on Canvas Module along with the short answers. Students must work out each question and provide answer in full detail to get credits.

### **Q: How to submit hw?**

**A: Scan and upload everything in .pdf file. You can use a smartphone to scan your hw problems or convert pictures of your hw problems into .pdf format. Then upload the .pdf file to the Assignment Tab or appropriate Module Tab on Canvas by or before the due date.**

#### **Hw#1**

Ch1 do all problem on Ch1 hw worksheet

Ch2 do all problem on Ch2 hw worksheet

#### **Hw#2**

Ch3 do all problem on Ch3 hw worksheet

#### **Hw#3**

Ch4 do all problem on Ch4 hw worksheet

#### **Hw#4**

Ch5 do all problem on Ch5 hw worksheet

Ch6 do all problem on Ch6 hw worksheet

#### **Hw#6**

Ch7 do all problem on Ch7 hw worksheet

#### **Hw#7**

Ch8 do all problem on Ch8 hw worksheet

#### **Hw#7**

Ch9 do all problem on Ch9 hw worksheet

#### **Hw#8**

Ch10 do all problem on Ch10 hw worksheet

**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.