Instructor: Danny Tran Contact: trandanny@fhda.edu	Office Hours: Tue 240 – 330pm (E32A) WedThur 1030 – 1120am (S43) Thur 10:30pm-11:20pm (Email)

Course Materials (bring to class EVERY day):

- Integrated Statistics 2 Course Packet (available only at the De Anza College bookstore)
- TI83/TI84 graphing calculator
- Carnegie Pathways account:
    - Log in to pathways.carnegiehub.org and create a new account
    - Request to be enrolled in the course with code
    - Your enrollment will be "pending" until approved by me. I will do this as soon as I can.
    - After you are approved to enroll, you will have a 4-week grace period to pay. You will use the access code provided with your print materials. Enter the access code in the place provided and press the "redeem code" button. Your access code will be valid for 2 years.

Course Description:

This course is the second of a two-course sequence in the study of statistical methods integrated with algebraic tools to prepare students to analyze processes encountered in society and the workplace. This course covers statistical inference. Topics include point and interval estimation, experimental design and hypothesis testing. Students are expected to implement technology to perform calculations to organize data in order to make statistical conclusions. This sequence of courses is intended for students not planning on majoring in a science, technology, engineering, or mathematics related discipline.

Student Learning Outcomes (SLOs):

- Identify, evaluate, interpret, and describe data distributions through the study of sampling distributions
- 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.

Prerequisite:

Satisfactory completion of Math 217 with a grade of C or better.

Attendance & Classroom Policies:

Attendance is of utmost importance for success in this class. You are encouraged to attend every class meeting. Students are allowed a maximum of 5 absences. Arriving late or leaving early is calculated as ½ of an absence.

Drop/Withdraw Policy:

It is your responsibility to officially drop or withdraw the course if you choose not to complete it. See the important drop dates on the calendar.

Extra Help:

Do not wait to get extra help. Contact either instructor via email or in person. The Math Science Tutorial Center is located in S41 and you may be able to get help there.

Grading:

- **In-class Activities (50 pts)**
  Each class will have activities & exercises that are worked on in groups. Credit will be given for active participation in these activities. Your binder will be checked at the time of each exam for orderly completion of all in-class work.
- **Take-it-Home (60 pts)**
  These exercises may or may not get completed in class & assigned for homework. These are due at the beginning of the next class. Take-it-home exercises will not be accepted late unless they are accompanied by a late coupon. You will be given 4 late coupons at the beginning of the quarter to use when needed.
- **Checkpoints on pathways.carnegiehub.org (50 pts)**
  Checkpoints are computer exercises that are delivered via MyStatway.
- **Exams (3 at 60 pts each)**
  3 in-class exams will be given. No make-ups will be allowed. If your final exam percentage is higher than your lowest exam, your final exam percentage will replace your lowest exam. You may bring a 2-sided handwritten sheet of notes (in your own writing) to each exam.
- **Quizzes (2 at 10 pts each)**
- **Labs (40 pts)**
  Lab classes will be held in the math computer lab. You will use Minitab & other statistical software in analyzing data & learning statistical models. You are able to work in groups of size 2-3. Computer labs can be done in groups & be turned in by the due date. There is no credit for late labs.
- **Final Exam (100 pts)**
  The final exam will be held in class and will be broken into 2 parts (20 pts & 80 pts). You may bring a full sheet of handwritten notes (in your own writing) to the final exam.

Grading Weights & Policy:

Grading will be based on the following criteria. Grades are not negotiable.

Item	Points
In-Class Activities: Attendance & Binder Checks	50
Take-it-Homes: top 30 @ 2 points each	60
Checkpoints on pathways	50
Exams: 3 @ 60 points each	180
Labs: 4 @ 10 points each	40
Final Exam	100
Quizzes	20
TOTAL	500

Classroom Conduct:

Human beings are not great at multitasking. Math requires singular focus. We will expect your full attention during lecture and class activities. Disruptive classroom behavior may include (but is not limited to) the following: talking when it does not relate to the discussion topic, sleeping, reading other material (e.g. newspapers, magazines, textbooks from other classes), eating or drinking, monopolizing discussion time, refusing to participate in classroom activities, texting, and engaging in any other activity not related to the classroom activity. Students who engage in disruptive classroom behavior will be warned by the instructor. If the disruptive behavior continues, students may eventually be dropped from the course. You are expected to turn off and put away your electronic devices. If your device causes disruption in any way, we reserve the right to confiscate it or you will have to leave class.

Academic Integrity:

Students are expected to be honest and ethical at all times in the pursuit of academic goals. Please see http://www.deanza.edu/studenthandbook/academic-integrity.html. Any instances of cheating or plagiarism will result in disciplinary action, which may include recommendation for dismissal. You are encouraged to work together on homework but simply copying down answers from another student's homework is not only wrong, but will be of no help to you on the quizzes and exams! Cheating on a quiz or an exam will result in getting a 0 on it, an F in the course or dismissal from the class. Also, each incident of cheating will be reported to the Dean of the Physical Science, Mathematics and Engineering Division for further action.

Disability-Related Accommodation:

If you feel that you may need an accommodation based on the impact of a disability, you should contact me privately to discuss your specific needs. Also, please contact Disability Support Services (864-8753) or Educational Diagnostic Center (864-8839) for information or questions about eligibility, services and accommodations for physical (DSS), psychological (DSS) or learning (EDC) disabilities.

Monday	Tuesday	Wednesday	Thursday
Jan 9 Intro, Syllabus	Jan 10 6.1.4, 6.1.5	Jan 11 6.1.5	Jan 12 6.2.1, 6.2.2
Jan 16 MLK Jr. Day NO CLASS	Jan 17 6.2.2, 6.2.3	Jan 18 6.2.3	Jan 19 7.1.1
Jan 23 7.1.1, 7.1.2	Jan 24 7.1.2, 7.2.1	Jan 25 **Lab #1** **Central Limit Theorem**	Jan 26 7.2.1
Jan 30 7.2.2	Jan 31 **Exam #1 (Mod 6, 7)**	Feb 1 7.3.1	Feb 2 7.3.1, 7.3.2
Feb 6 7.3.2	Feb 7 7.3.3	Feb 8 **Lab #2** **Hypo Test - Proportion**	Feb 9 7.3.3, 7.3.4
Feb 13 7.3.4	Feb 14 **Quiz #1 (7.3.1-7.3.4)**	Feb 15 8.1.1	Feb 16 8.1.2
Feb 20 Presidents' Day NO CLASS	Feb 21 8.3.1	Feb 22 **Exam #2 (Mod 7, 8)**	Feb 23 9.1.1
Feb 27 9.1.2	Feb 28 9.2.1	Mar 1 9.2.2	Mar 2 9.3.1
Mar 6 **Quiz #2 (Mod 9)**	Mar 7 10.1.1	Mar 8 **Lab #3** **CI for Means**	Mar 9 10.1.2
Mar 13 10.1.3	Mar 14 10.2.1	Mar 15 **Lab #4** **Chi Square GOF Test**	Mar 16 10.2.1, 10.2.2
Mar 20 10.2.3	Mar 21 **Exam #3 (Mod 9, 10)**	Mar 22 Final Review	Mar 23 **Standardized Final**
Mar 27 NO CLASS	Mar 28 **Final (145-345pm)**		