Instructor: Danny Tran Contact: trandanny@deanza.edu	Office Hours: Tue, Wed 4:00pm – 5:00pm (S43) Thur 10:30am – 11:20am (E32A) Wed 10:30pm – 11:30pm (Email)

Course Materials:
- Statway Modules 1 – 12 (Available for purchase at the bookstore) This includes all print materials for both Math 217 & Math 57, plus an access code for the online materials.
- Statway Supplementary Algebra Worksheets (Available for purchase at the 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.

Student Learning Outcome Statements (SLO):
- Organize, analyze, & utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, & numerical measures of characteristics of data.
- Analyze & describe data distributions through the study of probability theory.
- Evaluate real-world situations & apply linear, quadratic & exponential function models.

Course Description:
This course is the first 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 an introduction to algebra and descriptive statistics in an integrated approach. Topics include data collection, organizing and interpreting data graphically, qualitative and quantitative data sets, measures of central tendency and measures of dispersion, bivariate data and scatter plots, linear functions and their graphs, nonlinear functions and their graphs, and applying technology to calculate various types of regressions. 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 intending to transfer to the CSU or UC systems and who are NOT planning on majoring in a business, science, technology, engineering, or mathematics related discipline.

Prerequisite:
Satisfactory completion of Math 210 or a satisfactory score on the math placement test.

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

Grading:

- **Quizzes (5 best at 10 pts each)**
  There are 6 scheduled quizzes at the end of most modules. The lowest quiz score will be dropped. There are no make-up quizzes.

- **In-class Activities (35 pts)**
  Each class will have activities & exercises that are worked on in groups. Credit will be given for active participation in these activities. You must be in attendance to receive this credit.

- **Take-it-Home (80 pts)**
  These exercises may or may not get completed in class and are assigned for homework. They are due at the beginning of the next class. Take-it-home exercises will not be accepted late unless a late coupon accompanies them. You will be given 4 late coupons at the beginning of the quarter to use when needed.

- **Checkpoints on Pathways.carnegiehub.org (35 pts)**
  Checkpoints are computer exercises that are delivered via pathways.carnegiehub.org. Prior to the checkpoints, there are summaries and ungraded quizzes to check your understanding. Each day you should consider spending at least two hours on the pathways site. This will not only reinforce what happened in class but also prepare you for future class activities. Your completion of the exercises there will prepare you to do well on the Checkpoints. The due dates for the checkpoints are listed within that portal.

- **Exams (3 at 50 pts each)**
  3 in-class 1-hour exams will be given. No make-ups will be allowed. Your lowest exam score will be replaced by proportional final exam score if the final exam score is higher.

- **Labs (50 pts)**
  Lab classes will be held in the math computer lab: S44. You will use Minitab and other statistical software in analyzing data and learning statistical models. Computer labs can be done in groups and be turned in by the due date. There is no credit for late labs.

- **Final Exam (100 pts)**
  The final exams will be held in 2 parts: on Monday, Nov 30 and Wed, Dec 9. The first exam (20 points) is a standardized multiple-choice exam required by the Carnegie Foundation who created Statway. The second exam (80 points) will cover everything that we've studied during the quarter.

Grading Weights & Policy:
Grading will be based on the following criteria. Grades are not negotiable.

**********Grading Scale (points)**********	Grading Criteria	
485 – 500 = A+ 465 – 484 = A 450 – 464 = A-	Quizzes:	50 pts
435 – 449 = B+ 415 – 434 = B 400 – 414 = B-	In-class Material:	35 pts
375 – 399 = C+ 350 – 374 = C 325 – 349 = D+	Take It Homes:	80 pts
300 – 324 = D 0 – 299 = F	Checkpoints:	35 pts
	Exams:	150 pts
	Labs:	50 pts
	Final Exam:	100 pts
	Total:	500 pts

Drop/Withdraw Policy:
It is your responsibility to officially drop or withdraw the course if you choose not to complete it.
Last day to Drop the course: Sunday, October 4
Last day to Withdraw from the course: Friday, November 3

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 be asked to leave the class, and eventually dropped from the course. You are expected to silence and put away your electronic devices. If your device causes disruption in any way, we reserve the right to confiscate it.

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.

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 S43 and you may be able to get help there. Don't forget that your classmates are also a great resource!

Math 217 Fall '15 - Tentative Day-to-Day Schedule

Monday	Tuesday	Wednesday	Thursday
Sep 21 Syllabus, Intro, 1.1.1	Sep 22 1.1.2	Sep 23 Lab, 1.1.3	Sep 24 1.2.1, 1.2.2
Sep 28 1.2.3, 1.3.1	Sep 29 2.1.1	Sep 30 Minitab Intro Lab, 2.1.2	Oct 1 **Mod 1 Quiz**, 2.2.1
Oct 5 2.3.1	Oct 6 2.4.1, Empirical Rule	Oct 7 Descriptive Stats Lab Linear Models Part 1	Oct 8 Linear Models Part 2
Oct 12 12.1.1, 12.1.2	Oct 13 12.2.2, 3.1.1	Oct 14 Lab, 3.2.1	Oct 15 Review **Exam 1 (Mod 1, 2, 12)**
Oct 19 3.1.3, 3.2.1	Oct 20 3.2.2	Oct 21 Regression Lab, 3.2.3	Oct 22 3.3.1
Oct 26 3.3.2, Mod 3 Wrapup	Oct 27 Supp 4.2.1 **Mod 3 Quiz**	Oct 28 Supp 4.2.2, Supp 4.3.1	Oct 29 Supp 4.3.2, 12.3.1
Nov 2 4.1.1, 4.1.2, Mod 4 Wrapup	Nov 3 5.1.1, 5.1.2	Nov 4 Review **Exam 2 (Mod 3,4)**	Nov 5 5.1.3, Independence Mod 5 Wrapup
Nov 9 Veteran's Day – No Class	Nov 10 **Mod 5 Quiz** 6.1.1	Nov 11 2-Way Tables Lab 6.1.2	Nov 12 6.1.3, 6.2.1
Nov 16 6.2.3	Nov 17 Mod 6 Wrapup **Mod 6 Quiz**	Nov 18 Simulation Lab	Nov 19 Review Mod 5, 6
Nov 23 **Exam 3** 12.3.2	Nov 24 12.3.2	Nov 25 Applications of Quadratic Models (Supp)	Nov 26 Thanksgiving – No Class
Nov 30 **Standardized Final**	Dec 1 Linear, Quadratic, Exponential (Supp)	Dec 2 Course Wrapup **Quadratic Quiz**	Dec 3 Final Exam Review
Dec 7	Dec 8	Dec 9 **Final Exam**	