MATH 17 Section 21 – Integrated Statistics 2 (Statway) – De Anza College – Winter 2018

Instructor: Kelly Lundstrom **Contact:** lundstromkelly@fhda.edu **Website:** pathways.carnegiehub.org **Counselor:** Luis Carrillo	**Class Meetings:** MTThF 12:30-1:20 in E33 W 12:30-1:20 in S44, **Office Hours:** MTWTr 11:50 am – 12:20 pm in S43 **Counselor Contact Info:** 408-864-5856 carrilloluisalberto@fhda.edu

Course Materials:
- TI83/TI84 graphing calculator
- STATWAY textbook Modules 7-11 (Note: We will be using the Modules 1-6 textbook for final review near the end of the course)
- Carnegie Pathways account:
  - Log in to pathways.carnegiehub.org and create a new account (if needed)
  - Request to be enrolled in the course with code **YR48-Z0R6**
  - After you're approved to enroll, you will have a 4-week grace period to pay and/or enter your access code. You will use the same access code that came with the printed materials (inside the Modules 1-6 book you bought for math 217).

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 intending to transfer to the CSU system and who are not planning on majoring in a science, technology, engineering, or mathematics related discipline.

Prerequisite:

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

Attendance & Classroom Policies:

Regular, punctual attendance at all class meetings is expected. *Your teammates are counting on you to be present and participating in all class activities.*

Grading: A weighted grading scale will be used as follows

• Take It Home (15%) – A Take It Home will be assigned at the end of every section and will be due at the start of the next class. Each group will be responsible for turning in one Take-It-Home, which will be graded on accuracy. You are expected to coordinate with your group outside of class to check answers and write up a solution set to turn in. A blank copy of each homework will be handed to each group in class on the day the homework is assigned. ***NOTE: this is different than last quarter, as you will not have in-class time to write up homework solutions. I will give you 5 minutes ONLY to discuss anything with your group related to the homework.*** Take it Home exercises will not be accepted late unless they are accompanied by a No Questions Asked Pass. You will be given 5 No Questions Asked Passes to use this quarter and will get a 4 day extension on the due date when you use one. If you are absent on the day a Take-It-Home is due, you will have to turn in your own personal copy when you return.

• Checkpoints (10%) – Checkpoints are computer exercises that are on the Pathways website and will act like quiz scores in our class. They will help you review what was learned in class and prepare you for in-class midterms. They are due by the due date on canvas and can only be extended with the use of a No Questions Asked Pass. You will have 3 attempts for each checkpoint.

• **Labs (20%)** – Lab classes will be held in the math computer lab, S44. You will use Minitab. Computer labs are completed as a group and turned in one per group on the Pathways website. No late labs will be accepted unless accompanied by a No Questions Asked Pass. Due dates will be posted on Pathways for each lab (they are due a few days after the lab is assigned).

• **Midterm Exams (40%)** – 4 in-class 1-hour exams will be given. **No make-ups will be allowed.** Your lowest exam score will be replaced with the equivalent percentage of the final exam, if it improves your grade. Each midterm is weighted equally, at 10% per exam.

• **Final Exam (15%)** – There will be a 2-hour comprehensive final exam on **Wednesday, March 28, from 11:30 am –1:30 pm**. At the end of the quarter, your final exam will replace your lowest exam score, if the final exam score is higher (as a percentage). Note, the final exam will cover not only material covered in Modules 7-11 (Math 17) but also material from Modules 1-6 (Math 217).

Letter Grade Earned:

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

Important Dates:
It is your responsibility to officially drop or withdraw the course if you choose not to complete it.
• The last day to drop for a full refund no record of grade is **Sunday, January 21**.
• The last day to request pass/no pass grade is **Friday, February 2**.
• The last day to drop with a "W" is **Friday, March 2**.

Classroom Conduct:
As we are only meeting for 50 minutes each day, it is imperative that you are focused on learning during the minutes you are in class. ***Please refrain from checking your cell phones, including texting. Please refrain from off topic conversations, as they will only negatively affect your group's progress and ultimately how well you will do in the class. Additionally, refrain from using poor language in the classroom as this is offensive to myself and likely others in the classroom.***

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.

Respect, Diversity and Statement by the Foothill -De Anza Community College District Board:
De Anza College embraces a notion of intellectual community enriched and enhanced by diversity along a number of dimensions, including race, ethnicity and national origins, gender and gender identity, sexuality, class and religion. Because the class represents a diversity of individual beliefs, backgrounds, and experiences, every member of this class, including the professor, must show respect for every other member of this class. The Foothill -De Anza district will not detain, question, or arrest any individual solely on the basis of undocumented immigration status, suspected or confirmed, except as required by judicial warrant, subpoena, or court order. The district shall not cooperate with any federal or state effort to create a registry of individuals based on any legally protected characteristics, such as religion, national origin, race, ethnicity, sexual orientation, or gender identity. No confidential student records will be released without a judicial warrant, subpoena or court order, unless authorized by the student or required by law.

Extra Help:
Do not wait to get extra help. Students may receive tutorial assistance from the instructor during office hours. Please come by for help or to talk about your grade. That is what I am there for! Tutors are also available in S-41 and S-43. Students are strongly encouraged to make use of the tutorial help to succeed in this class. Don't forget that your classmates are also a great resource!

*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.