

## MATH 57 – Integrated Statistics 2 (Statway) - De Anza College – Winter 2015

### Instructor:

Mo Geraghty [geraghtymo@fhda.edu](mailto:geraghtymo@fhda.edu)

Phone : 408-864-5383

Office: S49A

Hours: M 12:30-1:30

Tu 6:20-7:00

W 11:30-12:20

Th 11:30-1:00 (in LCW 110)

### Course Materials:

- Integrated Statistics 2 Course Packet (available only at the bookstore)
- TI83/TI84 graphing calculator
- Website for other course materials: <http://nebula2.deanza.edu/~mo/>

### 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:

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 are calculated as  $\frac{1}{2}$  an absence.

### Grading:

- **In-class Activities (35 pts)**  
Each class will have activities and 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 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 MyStatway.org (35 pts)**  
Checkpoints are computer exercises that are delivered via MyStatway. Each day you should consider spending at least two hours on MyStatway.org. This will not only reinforce what happened in class but also prepare you for future class activities. Your completion of the "Learn by Doing, Did I Get It", and other exercises will prepare you to do well on the Checkpoints. The due dates for the checkpoints are listed within MyStatway.
- **Exams (4 at 50 pts each)**  
5 in-class 1-hour exams will be given. **No make-ups will be allowed.** Your lowest exam score will be dropped.
- **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 exam will be held on Thursday, March 26 from 1:45 to 3:45

## 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-	In-class Material:	35 pts
435 - 449 = B+	415 - 434 = B	400 - 414 = B-	Take it Homes:	80 pts
375 - 399 = C+	350 - 374 = C	325 - 349 = D+	Checkpoints on MSW:	35 pts
300 - 324 = D	0 - 299 = F		Exams:	200 pts
			Labs:	50 pts
			Final Exam:	<u>100 pts</u> 500 pts

## Drop/Withdrawal 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: Janaury 19

Last day to Withdraw from the course: February 27

## 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!

## 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.

## Student Learning Outcomes (SLOs):

1. Identify, evaluate, interpret and describe data distributions through the study of sampling distributions.
2. 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.

## Winter 2015 Math 57 Tentative Calendar (Revised 1/6/15)

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan	Intro/7.1.1 5	7.1.1/7.1.2 6	7.1.2/7.1.3 7	Lab 8	9
Jan	7.2.1/7.2.2 12	7.2.2/review 13	Mod 7 Exam 14	Lab 15	16
Jan	MLK Jr. Day Holiday No class 19	8.1.1/8.1.2 20	8.1.2/8.2.1 21	Lab 22	23
Jan	8.2.2/8.3.1 26	8.3.1/8.3.2 27	8.3.2/review 28	Lab 29	30
Feb	Mod 8 Exam 2	9.1.1/9.1.2 3	9.1.2/9.2.1 4	Lab 5	6
Feb	9.2.2/9.3.1 9	9.3.1/9.3.2 10	9.3.2/review 11	Lab 12	Presidents Day 1 No class 13
Feb	Presidents Day 2 No class 16	Mod 9 Exam 17	10.1.1/10.1.2 18	Lab 19	20
Feb	10.1.2/10.2.1 23	10.2.2/10.2.3 24	10.2.3/10.3.1 25	Lab 26	27
Mar	10.3.2/10.4.1 2	10.4.1/review 3	Mod 10 Exam 4	Lab 5	6
Mar	11.1.1/11.1.2 9	11.1.2/11.1.3 10	11.1.3/11.2.1 11	Lab 12	13
Mar	11.2.2/12.2.3 16	11.2.3/review 17	Mod 11 exam 18	Lab 19	20
Mar	Final Exam Review 23	Finals Week no class 24	Finals Week no class 25	Final Exam 1:45-3:45 26	Finals Week no class 27