

MATH 10: ELEMENTARY STATISTICS

Section 34432 • Spring 2005

TTh 12:30 – 1:55 p.m. • SM 2

Instructor: Alyson Clark

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Office Hours: Monday 12:30 – 1 p.m., 6 – 6:30 p.m.

Tuesday 8:30 – 9:20 a.m.

Wednesday 12:30 – 1 p.m., 6 – 6:30 p.m.

Thursday 8:30 – 9:20 a.m.

* If these times do not work with your schedule, please see me to arrange an appointment.

Course Description: This course will cover descriptive and inferential statistics including data analysis, correlation and linear regression, probability, probability distributions, estimation, and hypothesis testing. Upon successful completion of the course the student will be able to solve simple probability problems; group and graphically represent data; find measures of central tendency, location and dispersion; set up and test statistical hypotheses; construct confidence intervals; find sample sizes for constructing confidence intervals and testing hypotheses; test for correlation among two populations; and find a linear regression model.

Prerequisite: Math 106 or 106R (Intermediate Algebra) or one year of High School Algebra II with a grade of C or better.

Required Materials: • *Understandable Statistics*, Seventh Edition, by Brase and Brase
• TI-83 or 83+ graphing calculator

Grading Policy: The student's performance on the basis of exams, homework, quizzes, and the final exam will determine the course grade. The total points possible are:

Exams (4 @ 100 points each)	400
Homework (13 of 15 @ 10 points each)	130
Quizzes (3 @ 40 points each)	120
Final Exam	150
Total Points Possible	800

Total Points	Grade
720 to 800 (90 – 100%)	A
640 to 719 (80 – 89%)	B
560 to 639 (70 – 79%)	C
480 to 559 (60 – 69%)	D
Below 480	F

Exams: There will be 4 exams during the course, each worth 100 points. There are no make-up exams. If you miss an exam for **any** reason (e.g. tardiness, illness, appointment, overslept, bad traffic, etc.) and fail to contact me before class, you will not be allowed to make it up. The exams comprise 50% of your final grade. Please see the Course Schedule for tentative exam dates.

Final Exam: The final exam will be worth 150 points and will cover all material from the entire course. This one exam is worth almost 20% of your final grade. The final exam is scheduled for **Tuesday May 24 from 11:50 a.m. to 1:50 p.m.** and will not be given earlier or later than this date and time. I will replace your lowest exam score with your grade on the final *if it helps you*, but only if you take every exam.

Homework: There will be 15 homework assignments during the course, each worth 10 points. Your two lowest homework scores will be dropped. Homework must be done in the appropriate format (see Homework Rules) and placed in a neat pile on the table at the front of the classroom at the time of collection. Late homework is not accepted. If an assignment is not in the pile for **any** reason (e.g. tardiness, illness, appointment, overslept, bad traffic, etc.) then that will be one of the assignments you drop. Please see the Course Schedule for tentative homework due dates.

Quizzes: There will be 3 quizzes during the course, each worth 40 points. There are no make-up quizzes. If you miss a quiz for **any** reason (e.g. tardiness, illness, appointment, overslept, bad traffic, etc.) and fail to contact me before class, you will not be allowed to make it up. All quizzes together make up 15% of your final grade. They are intended to motivate you to keep up with the material and to study regularly – not just before an exam. Please see the Course Schedule for tentative quiz dates.

Student Resources: It is very important to me that you visit, call, or e-mail me when you have any questions. During my office hours I will always be available for help. If these times do not work with your schedule, please make an appointment. In addition, tutors are available through the tutorial center connected to the library. For hours of operation, or more information on the tutorial center, go to <http://www.westvalley.edu/wvc/ss/tutorial/indexie.html>. The Math Resource Center (SM 5) is another great place to study and get help, often from other math instructors. See posted schedule.

Dropping This Class: It is your responsibility to drop the course. If you fail to do so and your name appears on the final roster, you will receive an F for the semester. The last day to drop this course without a W is **February 17**. The last day to drop this course with a W is **April 29**. I would appreciate being informed of your decision to drop, simply for record-keeping purposes.

Academic Dishonesty: Any student caught cheating will receive an F in the course. Cheating includes, but is not limited to, copying from another student's paper, bringing notes when notes aren't allowed, bringing more notes than you are allowed to bring, looking at another student's exam or allowing another student to look at your exam, and basically any action that has a goal of giving you an unfair advantage.

Emergency Procedures: In the event of an emergency that requires us to evacuate the classroom and building, we will leave the building together and stay as a group in parking lot 2 (near the corner of Allendale Avenue and Theater Way). Please do not leave campus until your attendance has been accounted for by your instructor, and so you do not prevent emergency vehicles from entering the campus. Do not return to the classroom until the area is declared safe.

Attendance Policy: Please help make this class a success for everyone by coming to class on time, staying for the entire class, and participating in lecture and discussion. If you must leave early or come in late, please notify me ahead of time. Missing class, coming late to class, or leaving class early without notification will be counted as an absence. Three or more absences will result in you being dropped from the course.

As a courtesy to the class, once you notify me you will be leaving early please choose a desk close to the door to minimize disruption when you leave. In addition, I ask those students who arrive to class on time to please leave the desks closest to the door open for students who may have to come in late. If you are absent, remember it is your responsibility to obtain the notes and any handouts or course schedule updates you may have missed.

COURSE SCHEDULE*

HW #	Sections	Due Date
1	1.1 – 1.3, 2.1 – 2.3	Thurs 2/10
	Quiz 1 – Ch. 1, 2	Thurs 2/10
2	3.1 – 3.2	Thurs 2/17
3	3.4; Ch. 1, 2, 3 Reviews	Thurs 2/24
	Exam 1 – Chapters 1, 2, 3	Thurs 2/24
4	4.1 – 4.2	Thurs 3/3
5	5.1, 6.1	Thurs 3/10
	Quiz 2 – Ch. 4, 5	Thurs 3/10
6	6.2 – 6.3	Thurs 3/17
7	Ch. 4, 5, 6 Reviews	Thurs 3/24
	Exam 2 – Chapters 4, 5, 6	Thurs 3/24
8	7.1 – 7.2	Thurs 4/7
	Quiz 3 – Ch. 7	Thurs 4/7
9	8.1 – 8.3	Thurs 4/14
10	8.4 – 8.5; Ch. 7, 8 Reviews	Thurs 4/21
	Exam 3 – Chapters 7, 8	Thurs 4/21
11	9.1	Thurs 4/28
12	9.2 – 9.5	Thurs 5/5
13	9.6 – 9.7; Ch. 9 Review	Thurs 5/12
	Exam 4 – Chapter 9	Thurs 5/12
14	10.1 – 10.2	Thurs 5/19
15	10.3 – 10.4; Ch. 10 Review	Tues 5/24
	Final Exam – Chapters 1 – 10	Tues 5/24

* *Subject to change. Please obtain any updates if you are absent.*

HOMEWORK RULES

1. All homework (and quizzes and exams) must be done in pencil.
2. Staple the entire assignment together (i.e. all sections are together in one packet with one staple).
3. Clearly write your full name, class, and assignment number in the top right corner of your assignment. For example:

Your Name Math 10 HW #__

4. What you turn in should be written up neatly. Work should be evenly spaced and easy to read.
5. Sections and problems must be in order and clearly labeled.
6. Show all steps in your solutions. Assign variables to unknown quantities if necessary.
7. Word problems must always be answered with a complete sentence.
8. Use symbols and mathematical notation correctly. Use arrows (\rightarrow) to work from one step to the next.
9. No credit will be given for just a page of answers.
10. Put a box around your final answer.