

Math 11 WEB: Elementary Statistics, Spring 2012

Instructor: Walid Tayar

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Office Hours: M-TH 8:15-9:00am in FEM 1K or by appointment

Phone: 559-638-3641 ext. 3263

Schedule #: 51801

MANDATORY MEETING DATES:

Orientation: 1/11/2012 WED

Midterm #1: 2/15/2012 WED

Midterm#2: 3/28/2012 WED

Final: 5/15/2012 TUES

All meetings will be from 6-8pm in room POR 4 on the Reedley College Campus.

Prerequisites:

Math 103. Basic skills advisories: Eligibility for ENGL 125 and ENGL 126

Catalog Description:

This course is designed for honors students who wish to gain a thorough understanding in both the theory and application of statistics. The honors course will utilize technology throughout the course to enhance understanding of concepts and their applications. Students will demonstrate theoretical and practical mastery of topics through student projects. Topics include descriptive measures of central tendency and variability, probability, binomial and normal distributions, random variables, sampling, estimating, hypothesis testing (parametric and nonparametric), correlation and regression.

Required text:

You can buy the bundled textbook (which includes the textbook and access code for MYSTATLAB) at the Reedley College Bookstore. Be careful, once you open the kit you will not be able to return the book for a full refund. You can also purchase the access code by itself, without the book. The book is available electronically through the website. All of the work for this class will be done on a website called Course Compass for which you will need the access code. Ask for the Math 11 book for Mr. Tayar's online class, schedule #51801. **Another option would be to purchase the access code through CourseCompass.**

Text: Mario Triola, ESSENTIALS OF STATISTICS/MYSTATSLAB PKG, 4th Edition

Access Code: Make sure to purchase the MYSTATLAB access code if you are not buying the bundle.

YOU MUST BE REGISTERED ON COURSE COMPASS BY THE END OF THE DAY ON THURSDAY JANUARY 12 OR YOU WILL BE DROPPED!

Course Materials:

- Calculator (TI 83, 84 or 84 plus)
- Notebook/Graphing paper
- Ruler/pencils
- 3-ring binder (for class notes)

Blackboard: This course will utilize blackboard for announcements, handouts, assignments, etc. You can access blackboard from the Reedley College homepage or at <http://blackboard.reedleycollege.edu> . Your login and password to blackboard is as follows:

Login ID: “your student ID#”

Password: “your student ID#”

Online Homework:

Online homework assignments are completed online and the assignments can be found at the Course Compass website. You may work ahead if you like. Each assignment has a due date and the assignment will be unavailable to the student after the due date. Homework will not be accepted late, but the two lowest homework scores will be dropped to allow for any emergencies or missed assignments. It is important to stay current to be successful in the course!

Note: When working on homework, you do not have to complete an entire assignment during one session. If you need to stop while in the middle of an assignment, you can submit your work and the program will save it for you. You can then come back to the assignment and continue from where you left off at another time.

Written Homework:

There may be written homework assignments for the semester. These assignments will be collected at the midterm. All work must be shown in order to receive full credit for these assignments. Your homework will be graded on completeness, neatness, and effort. Problems must be written out in pencil and all work must be shown in order to receive credit. I will not accept HW on spiral bound notebook paper. Please staple your HW in the top left corner and clearly highlight the section number at the top of each page or it will not be accepted. If you come to class after the HW has been collected or are absent it will not be accepted for full credit. It is your responsibility to keep up with the pace of the class.

Attendance:

Students are expected to attend all scheduled class meetings, and be on time. The doors will be locked at 6pm so be there early. I will not allow you to take the midterm if you are late and you will get a 0. If you decide to drop the course, it is your responsibility to make the drop official in the Admissions and Records office or else possibly receive an F in the course. Also, there are to be no visitors in class for any reason. Pagers, cell-phones, CD/DVD/MP3 players, and any other electronic device must be turned off, silenced, and out of sight before entering class. You will be asked to leave if your phone rings in class. Leaving class at anytime will not be allowed. Please use the restroom/make phone calls before class or at the designated break times.

Midterms:

There will be a midterm at the end of each unit, approximately every 5 weeks. There are no make-ups for missed midterms. No exceptions. Calling the day of the midterm and telling me that you cannot make it to class is inexcusable.

Final Exam:

A final exam will be given at the end of the semester during finals week.

Final: Tuesday May 15th at 6pm-8pm in room POR 4

Grading:

- Homework will be worth 20% of your overall grade.
- Midterms and Final will be worth 80% of your overall grade.

<u>Percent</u>	<u>Grade</u>
90 - 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Course Outline:

The Nature of Probability and Statistics, Frequency Distributions and Graphs, Data Description (2.5 weeks)

Probability and Counting Rules (2.5 weeks)

Discrete Probability Distributions (2.5 weeks)

The Normal Distribution (2.5 weeks)

Confidence Intervals and Sample Size (2.5 weeks)

Hypothesis Testing (2.5 weeks)

Testing the Difference Between Two Means, Two Variances, and Two Proportions, Correlation and Regression, Chi-Square and Analysis of Variance (2.5 weeks)

Important Dates:

January 16 (M) Martin Luther King, Jr. Day observed (no classes held, campus closed)

January 20 (F) Last day to drop a full-term class for a refund for Spring 2012

January 27 (F) Last day to drop a full-term class to avoid a “W” for Spring 2012

February 10 (F) Last day to change a class to/from a Pass/No-Pass grading basis

February 17 (F) Lincoln Day observed (no classes held, campus closed)

February 20 (M) Washington Day observed (no classes held, campus closed)

March 9 (F) Last day to drop a full-term class (letter grades assigned after this date)

April 2-6 (M-Th) Spring Recess (no classes, campus open, classes reconvene April 9)

April 7 (F) Good Friday (no classes, campus closed)

May 14-18 (M-F) Spring 2012 final exams week

May 18 (F) End of spring semester/commencement

Special Needs Requests:

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

Academic Dishonesty

Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences.

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights.

Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on a particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

Note: This syllabus is subject to change at the discretion of the instructor.