# MATH 11—Elementary Statistics MTWT 11:15 am – 2:05 pm

# Reedley College, Summer 2012 June 18 – July 26

**Schedule No. 79751 CCI 201**

**Instructor: Chelle Sugimoto**

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**Prerequisite: Math 103**

**Advisory: Eligibility for English 125 and English 126**

**Textbook:** Essentials of Statistics, 4th Edition by Mario F. Triola

**Required**

**Materials:** Lined paper

 Sharpened pencils

 Spiral notebook for class work

3-ring binder for notes and homework

 Scientific Calculator (***not*** a phone)

 Textbook

**Outcomes and Objectives:**

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| Upon completion of this course, students will be able to:  |
| 1. Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by using tables, graphs, measures of central tendency, and measures of dispersion.
2. Apply concepts and terminology of statistics.
3. Implement the rules of probability.
4. Collect data, interpret and communicate the results using statistical analyses such as confidence intervals, hypothesis tests, and regression analysis.
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| In the process of completing this course, students will:  |
| 1. Summarize and describe given data sets.
2. Apply the methods of descriptive statistics to determine the measures of central tendency and variability to a variety of problems.
3. Apply basic principles of probability to determine probabilities of a variety of events.
4. Analyze discrete and continuous probability distributions.
5. Explore the basics of sampling theory.
6. Estimate population parameters through studying confidence intervals.
7. Examine hypothesis testing for small and large samples and multiple populations.
8. Determine if a relationship exists between quantitative variables.
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**Attendance:** You are expected to attend all class sessions, arrive on time, and stay for the entire session. If you have more than 3 unexcused absences in the first three weeks, you will likely be dropped from the course. If you are more than 10 minutes tardy, or leave more than 10 minutes early, you will be considered absent.

**Homework:** Homework will be assigned regularly and will be due the following class period.

Each assignment will be worth 5 points and will be graded on completeness, accuracy, and clarity. Please write your name and the section number on all homework pages and staple multiple pages together in the upper left-hand corner. Do not use spiral paper! *Show your work!* **No late homework will be accepted without prior approval of** **the instructor**.

**Class work:** In-class assignments will be given regularly. These assignments will be done in a spiral notebook, checked in class, and turned in four times during the course. Each section of class work is worth 25 points.

**Quizzes:** There will be a short quiz given every Tuesday and Thursday with the exception of exam days. Each quiz will be worth 20 points.

**Exams:** There will be three exams in this course, each worth 200 points. You may use your notes

 on exams. *You must be in class on exam days.* The exams will be on **June 28, July 12,** and

 **July 26**. Please make a note of this!

**Grading:** All points from homework, class work, quizzes and exams will be added together and divided by the total possible points for the semester. This will give you a percentage. Your grade will then be determined as follows:

90-100% A

 80-89% B

 70-79% C

 60-69% D

 0-59% F

A blackboard website will be maintained for this course. The web address is:

**http://blackboard.reedleycollege.edu**

The user name and password are both your student I.D. number

This syllabus, as well as all homework assignments and grades, can be found on this website.

The WebAdvisor website is:

[**http://webadvisor.scccd.edu/**](http://webadvisor.scccd.edu/)

The user name is your last name and student ID number (ex: smith\_0123456)

The password is your 6-digit birth date (ex: for Jan. 20, 1980, the password is 012080)

Please note: 1. Turn off your cell phone, or better yet, don’t bring it at all! This goes for pagers and

 other electronic devices as well. ***If you use your phone during class, you will be***

***asked to leave for the remainder of the day. This will be considered an***

***unexcused absence.***

2. Academic integrity is essential to a successful college career. Cheating and plagiarism

 will result in disciplinary action ranging from a failing grade on an assignment or exam

 to failure of the course at the instructor’s discretion. Please refer to the college catalog

 for more information on the college policies regarding cheating and plagiarism.

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.