Math 11, Elementary Statistics, Section #50659 & 95006

Welcome To Math 11! Looking forward to having you in class!

Instructor: Ms. Lina Obeid   **Class Time:** M to TH; 8am to 8:50am   **Class Location:** FEM4
Office: FEM 4A   **Phone:** 638-0300, ext. 3184   **E-Mail:** lina.obeid@reedleycollege.edu
Office Hours: T/TH at 11am to 1pm;   **Virtual office hour**: F at 9am

Advisories and Prerequisites: Check with your counselor to make sure this class is for you and is appropriate for your goals/major. *Students who were not successful in previous math classes might have difficulties in this one.*

Optional Textbook (Paperback): Mario Triola, Elementary Statistics, 13e with Integrated Review **(e-book required)**
Optional Reading Material: Huff, Darrell. (1993). *How To Lie With Statistics*. Other good books: *Freakonomics*; *Outliers*.

WHAT IS REQUIRED?
    To succeed, it is important to know what is required.

- Class assignments are on pearsonmylabandmastering.com (also referred to as MYMATHLAB). Class assignments are NOT on Canvas (for the exception of discussions). The only thing posted on CANVAS are announcements the first two weeks of school, the syllabus, class documents, and discusssions. **Follow instructions on the "*student registration handout*" to get access to assignments on the pearson site. This syllabus is posted on Canvas AND emailed to your SCCCD email address. To access Canvas go to 'MYPORTAL' on the Reedley College Website. Check the email address you have provided mymathlab.**
- <u>REQUIRED</u>: This course requires students to purchase Pearsonmylab an **18-week access code** (includes e-book but not a hard copy of the book – Hard copy of the book is optional/not needed). This access code may be purchased at the bookstore or online at pearsonmylabandmastering.com. It might be cheaper to purchase it <u>online on the pearson site (around</u> **$60**<u>).</u>
- <u>TEMPORARY FREE ACCESS</u>: The Pearsonmylab site offers students a **temporary free access code** which allows students to sign up and work for a few days **without** paying. The deadline for that grace period will be posted on the login page and can be viewed **every** time a student logs in. The publisher will deny access to students who do not pay by the grace period's deadline. ***Students must buy the access code ASAP to avoid missing deadlines.*** It is the student's responsibility to pay in a timely manner to avoid being denied access to their assignments or exams. Students who are denied access due to lack of payment will receive a 0% on any missed assignment and will not be given an extension.
- <u>TECHNOLOGY</u>: This class requires students to access pearsonmylab in a timely manner, so a computer with a high-speed connection is needed. Your browser (i.e. Chrome, firefox, etc.) must have specific plug-ins and updates. Google Chrome seems to be the best browser to use with pearsonmylab. Clearing your cookies and allow pop-ups avoids issues as well. *Students need to make sure they have access to the proper technology before proceeding in this class. Most labs on campus as well as the Math Center have the proper technology.* **(Please note that technology problems are not an excuse to missing assignments.)**
- <u>MATERIALS</u>: Students need to come to class ready with printed outlines of the lectures, Cambridge spiral graph notebooks for homework, yellow highlighter, ruler, sharpened pencils, eraser, scantrons, and a scientific **TI 83/84 calculator or Excel spreadsheet; Other calculators will not have the Statistics package needed. A laptop or tablet may be needed as well**.
- <u>AMOUNT OF WORK</u>: This class requires on average **12 hours of studying a week**. Students who lack basic skills might need to spend more time and effort to succeed.

Attendance and Tardy Policy:
Please make your education a priority. To succeed and to help us help you, please attend and participate on daily basis.
- Students who miss the first day of class may be dropped as a "**No Show**".
- Attendance is **not optional**. Emailing or calling does not excuse an absence or tardy. Students are expected to attend every class, arrive on time, and stay for the entire class period. **Late work is not accepted**.
- If a student arrives late, it is his/her responsibility to inform the instructor after class, so the absence can be changed to a tardy. Two tardies or two partially missed lectures count as an absence.
- Students are expected to **print the lecture outlines from CANVAS** and take notes on them in class.
- A student who is absent or late is responsible to get him/herself updated on the missed materials. The student will need to ask a fellow student for a copy of the notes, the missed assignments or information. Students can use the math/tutorial center available at Reedley College if they need help understanding the missed material.
- A student *may* be dropped by the instructor after 4 DAYS of absences (not necessarily consecutive class periods) or if the students does not sign up and work on MYMATHLAB in a timely manner. If a student decides to no longer be enrolled in the class, it is then

the student's responsibility to drop in a timely manner to avoid receiving a "W" or an "F", following the Reedley College course schedule or catalog's deadlines.

Behavioral, Campus, and Academic Policy:
To foster a good and safe classroom environment, it is important that students adhere to class and college policies.
- Reedley College campus policies and academic regulations will be implemented in this class.
- By enrolling in this class, the student agrees to adhere to any and all class policies, rules, regulations and guidelines and to Reedley College campus' policies and academic regulations.
- Students not following directions or engaging in behavior the instructor deems disruptive may be asked to leave or may be removed for the remainder of that class. Food or drink (except bottled water) is **not** allowed in the classroom as per college rules.
- Teacher reserves the right to assign seats.
- Students must act and communicate professionally in class and online/in emails.
- This class has an electronic device use policy:
  1) The use of electronic devices in the classroom is prohibited. Electronic devices including but not limited to smart(i)-watches, cell-phones, recording devices are prohibited in the classroom. Such devices must be turned off, silenced, and put away before entering the classroom. Headphones are not allowed. Students are not allowed to use or operate a recording device at any time in this classroom. Students with disabilities must make arrangements ahead of time for the approved use of a device.
  2) The use of cell phones in the classroom is prohibited and is considered disruptive behavior. Phones need to be silent, out of reach, and out of sight. Students are not allowed to place their cell phones on the desks or in plain view at any time during class, even if set to "silent" or "off". Texting or emailing in class is prohibited regardless of the device. Students using a cell phone or apple-type watches during an exam are considered to be cheating.
  3) Students must make the instructor aware of any electronic device they are using in class, otherwise they are in violation of the policies of this class.

- **Grading Policy:**
Students are graded in <u>three major categories</u> according to the following:
      Homework grades constitute **25%** of the student's overall grade.
      Quiz grades constitute **5%** of the student's overall grade.
      Chapter and Final exams grades constitute **70%** of the student's overall grade.
Grades are posted and updated on pearsonmylabandmastering.com site. It is the student's responsibility to put in the effort needed to get the desired grade. A student struggling to get a desired grade must get tutoring. Free tutoring is available at Reedley College.

- **Homework:** This category includes homework grades.
Your success is very important, so please spend the time and effort needed to study and to do well on your homework.
  - <u>HOMEWORK ONLINE</u>: Homework is assigned on regular basis at pearsonmylabandmastering.com. It is to be completed online at pearsonmylabandmastering.com. Students will be given several tries on each question to get the question right. Homework deadlines must be observed. Late work affects the grades negatively: It loses 30% of the points possible for every day it is late. Each assignment has a due date and the assignment might not be available to the student after the due date.
  - <u>HOMEWORK NOTEBOOKS</u>: In addition to entering answers online, homework exercises must be worked out in pencil step-by-step, thoroughly, completely and neatly. This is a good habit intended to help you study and to do better on exams. Box or highlight answers. **Write the section numbers at the top of each page.** Graphs need to be drawn on graph paper, labeled, titled, and scaled accurately and neatly using a ruler.
  - <u>EMERGENCIES</u>: Personal, financial, professional, or technological problems cannot be used as excuses to get extensions or retakes on homework. **The lowest homework assignment score will be dropped to account for such emergency or issue.**
- **Quizzes:** This category includes quiz grades, online/Canvas discussions, as well as participation grades.
To succeed, attend regularly and take good notes
  - Quizzes might be assigned to be completed in class or at home. In-class quizzes might be pop quizzes (unscheduled).
  - Students must attend regularly, take notes, and participate in class activities, projects, and assignments.
- **Chapter Exams**: This category includes chapter exams/projects administered throughout the semester.
To succeed, study as much as needed to earn a better grade.
  - All chapter exams are weighted equally. Students are not allowed to leave and return to an exam once started.
  - Projects or essay style exam questions must be answered step-by-step, thoroughly, completely, and neatly to receive full credit. Graphs need to be drawn, labeled, titled, and scaled accurately and neatly using a ruler.
  - Students who are not present will receive a score of zero on that chapter exam. No make-up or retake exam will be given for any reason. ***Students are <u>not</u> allowed to take the exam after the scheduled time for any reason.***
  - <u>EMERGENCIES</u>: In case a student has a known unavoidable business on the scheduled exam date or time, he/she will be given the chance to take the chapter exam **before the scheduled date/time** *if and only if* the student makes the appropriate

arrangements with the instructor ahead of time (with at least a two business days advance notice). Personal or professional issues will not be accepted as excuses to retake, make-up, or get extension on any exam. **To account for other emergencies, the final exam's score may be used to replace the lowest chapter exam score.**

- ➤ **The Final exam:** The final exam is a mandatory comprehensive final - it might contain any of the material covered from the entire semester. The final exam weighs as a regular exam. Students are not allowed to leave and return to an exam once started. The final exam score may be used to replace the lowest chapter exam score, but a chapter exam score cannot be used to replace the final exam score. The final exam score will not be dropped or replaced. Students who miss the final exam will receive a 0% on their final exam with no chance of retake or make-up. **The Final exam will be: Wednesday, December 11 8:00 am - 9:50 am in the classroom.**

Grading Scale: **Grade and Percent Range**
A=90% - 100%   B=80% - 89%   C=70% - 79%   D=60% - 69   F=Below 60%

Plagiarism: Reedley College rules on plagiarism will be enforced. Students cheating and students allowing others to cheat off of their assignment will receive a 0% on that assignment (whether it is a chapter exam, a final, or any other assignment). Students using a cell phone during a test regardless of the reason are considered to be cheating. Students using or getting unauthorized assistance are considered cheating.

What can you do to improve your grade and your learning outcome?
- Come to class prepared and on time; Attend daily.
- Read the book before attending class.
- Study on average 2 hours for every hour you are in class. Put in the maximum effort daily in every aspect of your work.
- Avoid procrastinating.
- Know what your grade. Talk to your instructor.
- Turn in well thought-out assignments on time with the completed work shown step-by-step.
- Working with others is good for you, so join a study group. Ask fellow students, and tutors for help.
- Attend MATH CENTER (in FEM1) OR the TUTORIAL CENTER (in the Library) for help and tutoring.
- ➤ Strong math and pre-algebra skills, as well as excellent study habits, are required to be successful. If you don't have strong math skills, you may compensate for that by having good study habits and putting extra effort into your work.

Important Dates at Reedley College:
- ➤ August 12 (M) Start of Fall 2019 semester
- ➤ August 23 (F) Last day to drop a Fall 2019 full-term class for full refund
- ➤ August 30 (F) Last day to register for a Fall 2019 full-term class in person
- ➤ August 30 (F) Last day to drop a Fall 2019 full-term class to avoid a "W" in person
- ➤ September 2 (M) Last day to drop a Fall 2019 full-term class to avoid a "W" on WebAdvisor
- ➤ **September 2 (M) Labor Day Holiday (no classes held, campus closed)**
- ➤ September 20 (F) Last day to change a Fall 2019 class to/from Pass/No-Pass grading basis
- ➤ October 11 (F) Last Day to drop a full-term class (letter grades assigned after this date)
- ➤ **November 11 (M) Veterans Day observed (no classes held, campus open)**
- ➤ **November 28-29 (Th-F) Thanksgiving holiday (no classes held, campus closed)**
- ➤ December 9-13 (M-F) Fall 2019 final exams week
- ➤ December 13 (F) End of Fall 2019 semester
- ➤ **FINAL EXAM: Wednesday, December 11 8:00 am - 9:50 am in the classroom.**

It is the student's responsibility to ask *the Admissions and Records office or check course schedule for any other dates that pertain to financial aid or drop deadlines of any kind.*

Accommodations for students with disabilities:

- ➤ If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic test, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact the teacher as soon as possible.
- ➤ It is the student's responsibility to schedule their appointments (for tests, finals, etc.) with the DSPS office as soon as soon as they are announced in class. **Any special arrangements need to be done in advance and in writing.**

Course Description:
This course is an introduction to statistical methods and techniques with applications in the fields of business, behavioral and social science, as well as in science, technology, engineering, and mathematics. 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.

Course objectives:
A. Distinguish among different scales of measurement and their implications;
B. Identify the standard methods of obtaining data and identify advantages and disadvantages of each;
C. Interpret data displayed in tables and graphically;
D. Calculate measures of central tendency and variation for a given data set;
E. Apply concepts of sample space and probability;
F. Calculate the mean and variance of a discrete distribution;
G. Calculate probabilities using normal and t-distributions;
H. Distinguish the difference between sample and population distributions and analyze the role played by the Central Limit Theorem;
I. Construct and interpret confidence intervals;
J. Determine and interpret levels of statistical significance including p-values;
K. Interpret the output of a technology-based statistical analysis;
L. Identify the basic concept of hypothesis testing including Type I and II errors;
M. Formulate hypothesis tests involving samples from one and two populations;
N. Select the appropriate technique for testing a hypothesis and interpret the result;
O. Use linear regression for estimation and inference, and interpret the associated statistics; and
P. Use appropriate statistical techniques to analyze and interpret applications based on data from disciplines including business, social sciences, psychology, life science, health science, and education.
▶ *Instructor reserves the right to make minor changes to the syllabus.*