

**MATH 11 WEB, Introduction to Statistics, Section # 51456**

Welcome to Online Math 11! Looking forward to having you in class 😊

<b>Instructor:</b> Mrs. Lina Obeid	<b>Class Room:</b> Web	<b>Student Access to Class Materials:</b> 24/7 prior to deadlines.
<b>Office Hours:</b> M/W 10 to 11am (Zoom available); T/TH 10 to 11am (office); F (1 hour/email only)		
<b>Office:</b> WEB	<b>E-Mail:</b> through Canvas and/or lina.obeid@reedleycollege.edu	
<b>Advisories:</b> Check with your counselor.		<b>Prerequisites:</b> Check with your counselor.

FOR COVID-19 information and protocol, read the Reedley College information:

<https://www.reedleycollege.edu/covid-19/index.html>

FOR COVID-19 information and protocol, read the district’s COVID-19 information:

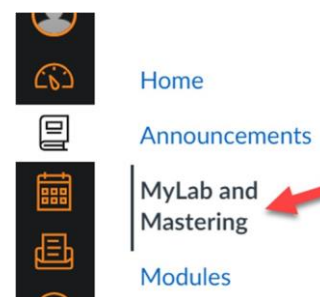
<https://www.sccd.edu/lp/coronavirus/index.html>

Regarding COVID-19, students are responsible to stay informed, to follow the mandates, and to take the precautions to stay safe from COVID-19.

### What is required?

**To succeed, it is important to know what is required.**

- Class assignments are on [pearsonmylabandmastering.com](https://www.pearsonmylabandmastering.com) (also referred to as MyLab or MYMATHLAB). Mylab can be accessed from Canvas as well.
  - **To access Canvas, go to ‘MYPORTAL’ on the Reedley College Website, and sign in to Canvas.**
  - **To access MyLab, click on MyLab and Mastering in Canvas and register for Mylab.** Announcements, resources, syllabus, documents that help you get started are posted on CANVAS under Module 0. For help, **click on Module 0 in Canvas. It contains instructions and resources you need to proceed.**
- REQUIRED:** This course requires students to purchase Pearsonmylab 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](https://www.pearsonmylabandmastering.com). **DO NOT PURCHASE it BEFORE CLASS BEGINS!** Read and follow the detailed instructions given in this syllabus and in Module 0 on CANVAS.
  - ▶ Go through Canvas, click on MY LAB AND MASTERING to start working immediately before paying. You will then have about 10 days to pay for your materials.
- TECHNOLOGY:** 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.*
- MATERIALS:** Students need to have good quality notebook with graph paper, 1 yellow highlighter, ruler, sharpened pencils, and a good eraser. A TI84/83 graphing calculator is helpful but NOT needed - Use



STATCRUNCH (free with mylab) instead. In addition to Statcrunch, use Excel (free) spreadsheets or Google Sheets.

- 5) **AMOUNT OF WORK:** This is a 4-unit 18 week course. 4-unit classes require 4 hours of “classwork” and 8 hours of “homework” on average a week. An online class affords students a bit more flexibility than a face to face class. However, it still requires time, good study skills and independent work.
- 6) **COMMUNICATION:** This class requires that all communication be through **school** email (SCCCD):
  - 1) email me through CANVAS;
  - 2) email language must be professional and written in full sentences;
  - 3) type your first and last name at the end of every email;
  - 4) avoid private details (TMIs);
  - 5) Include the appropriate topic in the subject bar
  - 6) Check the email address you have provided Mymathlab. Make sure to always use a school email and not a personal email address for any communication.

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## Attendance and Tardy Policy:

**Please make your education a priority. To succeed and to help us help you, please study on daily basis.**

Attendance is based on work done. Students who do not respond to emails, follow directions, and/or work regularly might be dropped. Don't leave it to the last hours before the deadline to start working. Procrastination will frustrate you and is a hinderance to your success.

Here is what you should do on Monday, January 10:

- 1) Make sure you have a reliable computer with decent online access.
- 2) Make sure your SCCCDC school email address is activated and functional.
- 3) Follow instructions and read information emailed to you or posted on Canvas.
- 4) Check CANVAS for announcements posted and check your SCCCDC email daily. Read them carefully. [To access Canvas go to 'MYPORTAL' on the Reedley College Website, then click on CANVAS link.]
- 5) **Click on Module 0** in Canvas to read or view the information carefully to know how to proceed in this course and what to expect. Module 0 will contain important documents, information, the syllabus, MyLab registration instructions, as well as videos to help you proceed.
- 6) In Canvas, click on *MyLab and Mastering* tab to see how to proceed. For additional help registering for MyLab and for help to access the assignments, watch the **Pearson Student Registration videos** posted in Module 0 on Canvas. Sign up for MyLab and access course assignments on MyLab.
- 7) MyLab is the platform and software we will use in this class to complete homework, quizzes, and exams. MyLab is a very powerful system that comes with amazing resources such as STATCRUNCH, GET HELP, VIEW AN EXAMPLE, TECH VIDEOS, EBOOK and even more resources! You can start immediately and will have a grace period of a week to pay for it. You can access Mylab through Canvas (also referred to as MyLab or Mymathlab or MyLab and Mastering).
- 8) Start working on assignments on MyLab & Canvas. Assignments are due on regular basis. Students who fail to follow directions, sign up/access Mylab, or complete assignments might be dropped. Work on assignments early to avoid missing deadlines or getting late grades. **Feel free to email me if you need help.**

Here is what you should do after Monday, January 10:

- 1) Work ahead of the deadlines to avoid missing assignments. There is homework starting Tuesday.
- 2) Watch videos, before you do homework. Do homework and quizzes, then do Exams.
- 3) Participate in **discussions** and surveys posted on Canvas.
- 4) Check Canvas and MyLab and read emails/announcements **daily to avoid missing assignments**.
- 5) Mark all assignment deadlines in your personal calendar.
- 6) Use school (not personal) email through CANVAS for all communication in this class.
- 7) Pay for MYMATHLAB ASAP to avoid being shut out of MyLab.
- 8) Sign up to work with our embedded tutor if you need assistance.
- 9) Communicate with each other and with the embedded tutor and help each other out.
- 10) I am here for you, so don't hesitate to email me 😊

- MyLab 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 assignment or test.
- Since this is an online class, students are expected to check their e-mails and announcements daily and work on MyLab/Canvas daily. That is what attendance is based on. Late work might affect your grades negatively. Students who do not work on regular basis could be dropped for non-attendance. The attendance policies still hold in an online class. Missing assignments, not checking or responding to emails, is equivalent to being absent.
- Students are responsible for any and all information sent to them in emails or posted on Canvas.
- Students need to allow one business day for a response. The response time in this class is **very** good, but students should not expect an instant response when they email on holidays, weeknights or weekends. The teacher is not monitoring the class or checking email 24/7. Although you are given access to the course 24/7 and you may work any day/any time you chose, please allow one business day for a response.
- **To avoid missing any assignments, make sure to work on assignments before the deadline date.**

## Behavioral, Campus, and Academic Policy:

- Reedley College campus policies and academic regulations are implemented in this class.
- Students are responsible to stay informed and follow instructions provided by the district on COVID-19: <https://www.reedleycollege.edu/covid-19/index.html>
- Students must act and communicate professionally in class and online.
- Files, documents, recordings, videos, and materials modules provided for the class are only for students enrolled in this class to use during/for this class only. Unauthorized transfer or sharing of class materials is prohibited. **Unless a teacher has explicitly stated otherwise, communications in the class are intended for the students in the class only and not for the general public. A person who records in a classroom setting without permission runs the risk of violating the teacher's federal copyright rights.**
- **Plagiarism:** Reedley College rules on plagiarism are enforced. **In addition, the student receiving the grade on their transcript needs to be the person doing the work to earn the grade at ALL times in this class.** Otherwise, the student will receive a 0% or F in the course, and/ or suffer the consequences of plagiarism as set forth by the college's academic regulations. In other words, **the student doing the online assignments or**

taking the online exams/quizzes/homework needs to be the student enrolled and getting the grade in the course. If not, the student will receive an automatic F in the course.

## Grading Policy:

**If math is a difficult subject for you and/or you have failed Math before, please put in the time and effort to succeed.**

Grades are posted and updated on MyLab/Canvas. Students are graded according to the following:

**Online homework** grades constitute **45%** of the student's overall grade.

**Online quizzes** grades constitute **15%** of the student's overall grade.

**Online exams and Final exam** grades constitute **35%** of the student's overall grade.

**Online discussions and Participation** grades constitute **5%** of the student's overall grade.

## Online Homework: **45%** of the student's overall grade

**Your success is very important, so please spend the time and effort needed to do well on your homework.**

- Homework is assigned on MyLab/Canvas. It is to be completed online on MyLab/Canvas or [pearsonmylabandmastering through Canvas](#).
- Students have several tries on each question to get the question right.
- Students have return privileges (up to the deadline) for all homework assignments- meaning that students do not have to complete a homework assignment in one sitting.
- Assignments have due dates to help students avoid procrastination. Homework questions can be submitted late, but they will be graded at a lower rate (75%). This will help encourage students to do their homework in a timely manner to prepare for the quizzes and exams, to avoid procrastination, and to pass the class. **The lowest online homework assignment score will be dropped to account for emergencies.**
- Some assignments are designed for online participation and require group discussions. Timing is flexible as long as they are done by the due dates.
- Whenever possible watch the lecture videos and take notes before starting the homework. Do not expect to take the test and then complete the homework.
- In order to keep good long-lasting habits, you should solve each problem and show step-by-step work in a **notebook** designated for this class. Write neatly detailed work for each question (scratch type work is not acceptable and is not helpful). Detailed work will help you study for the exams and perform better in the class. This notebook will not be collected, but you will be able to use it on quizzes and exams 😊

## Online Quizzes: **15%** of the student's overall grade

**Please study to earn a better grade on the online quizzes/exams.**

- Students must complete the homework before taking the quizzes.
- Do not procrastinate to avoid missing assignments.
- Most online quizzes are designed to be review and practice for the exams. You are not allowed to get help on quizzes. Some discussions are considered quizzes.
- Online quizzes are graded, but **not timed**. You have several tries on each quiz. **The highest grade is taken.**
- Online quizzes have due dates and students must take the quizzes by the scheduled date/time. **Online quizzes can be submitted late, but at a reduced score (scored at lower rate max 75%).**
- Work daily on Mymathlab/Canvas to avoid missing deadlines. **The lowest online quiz score will be dropped to allow for an emergency.**

## Online Chapter Exams and One Final Exam: 35% of the student's overall grade

Please review and study as much as needed to earn a better grade on these exams. Also, do the practice quizzes and study to earn a better grade on the online tests. Students who do not do well on the quizzes and on the homework will have a hard time passing the exams and passing the class.

- **Students must complete the homework and practice quizzes before taking a chapter exam. Do not procrastinate to avoid missing assignments.**
- **There will be about 7 exams in total: 6 chapter-exams and 1 final exam. The chapter exams will open a couple days before they are due. Students must take the exam by the due date.**
- Online exams are **timed**, so pace/time yourself. You are given 90 minutes for chapter exams and 2 hours for the final exam. This is plenty of time for the number of questions given.
- In addition, while taking an online exam, students are not allowed to get help from anyone (directly or indirectly), nor to navigate away from the exam. You are allowed to use notes, excel, calculators, stat crunch or stat programs. **Incomplete exam will be graded as is.**
- **Students have two tries on each exam.** This is to allow for any emergency or technical issues. The highest grade of the two attempts will be given. Students need to make sure they have a good connection and do not close their browser or navigate away once they begin an online exam. It is the student's responsibility to take the exams early enough to take advantage of two tries.
- **Online exams must be completed in one sitting.** Once you start it, the clock starts, and you must complete.
- Online chapter exams are to be taken online by the scheduled date/time. Online exam questions can be submitted late, but they will be graded at a lower rate (75%). **The exams will be available on Mymathlab a few days before the deadline.** Work daily on Mymathlab to avoid missing deadlines. **To allow for one emergency (i.e hospitalization, car accident...), the lowest chapter exam score will be replaced by the final exam score.**
- **Final Exam:** The final exam is a comprehensive final. The final exam is to be taken online (on MyLab) by **Wednesday, May 18.** Please make sure you mark your calendar. The final exam will be **a few days before it is due.** *The final exam score cannot be replaced by a chapter exam score. Students who do not take the final will receive a score of 0% on the final.*

## Online Discussion and Participation: 5% of the student's overall grade

This category consists of student's involvement in Canvas discussions/assignments or overall class participation.

### Grading Scale:

<b>A</b>	<b>=</b>	<b>90% - 100%</b>	<b>B</b>	<b>=</b>	<b>80% - 89%</b>	<b>C</b>	<b>=</b>	<b>70% - 79%</b>
<b>D</b>	<b>=</b>	<b>60% - 69%</b>	<b>F</b>	<b>=</b>	<b>Below 60%</b>			

## MANDATORY MEETING DATES, TIME, AND LOCATION:

- MARK your calendar. The rest of the deadlines will be posted on Mymathlab. Do NOT procrastinate, and you will not have a reason to miss these deadlines.
- Complete the homework and quizzes before taking the exams. Avoid procrastinating to avoid disappointments and lower grades.
- Assignments such as homework, quizzes, and any other assignment will be posted, open and ready for you to begin working on in a timely manner. Exams will open several days before they are due. Check MYLAB/CANVAS updated information/dates/deadlines and mark your calendar.

DEADLINES	ASSIGNMENT/CHAPTERS	LOCATION
Monday, January 10	Class and assignments begin.	Online on MYMATHLAB
TBD	Exam 1 - covers chapter 1 & 2	Online on MYMATHLAB
TBD	Exam 2 - covers chapter 3	Online on MYMATHLAB
TBD	Exam 3 - covers Chap 5	Online on MYMATHLAB
TBD	Exam 4 - covers Chap 6	Online on MYMATHLAB
TBD	Exam 5 - covers Chap 7	Online on MYMATHLAB
TBD	Exam 6 - covers Chap 8 & 9	Online on MYMATHLAB
TBD	FINAL EXAM (comprehensive)	Online on MYMATHLAB

### Other Important Dates at Reedley College:

- January 10 (M) Start of Spring 2022 semester
- January 10 - March 11 (M-F) Short-term classes, first nine weeks
- January 17 (M) Martin Luther King, Jr. Day observed (no classes held, campus closed)
- January 21 (F) Last day to drop a Spring 2022 full-term class for full refund
- January 28 (F) Last day to register for a Spring 2022 full-term class in person
- January 28 (F) Last day to drop a Spring 2022 full-term class to avoid a "W" in person
- January 30 (SU) Last day to drop a Spring 2022 full-term class to avoid a "W" on WebAdvisor
- February 11 (F) Last day to change a Spring 2022 class to/from Pass/NoPass grading basis
- February 18 (F) Lincoln Day observance (no classes held, campus closed)
- February 21 (M) Washington Day observance (no classes held, campus closed)
- March 11 (F) Last Day to drop a full-term class (letter grades assigned after this date)
- March 14 - May 20 (M-F) Short-term classes, second nine weeks
- April 11-14 (M-Th) Spring recess (no classes held, campus open)
- April 15 (F) Good Friday observance (no classes held, campus closed) (classes reconvene April 18)
- May 16-20 (M-F) Spring 2022 final exams week
- **Wednesday May 18: FINAL EXAM IS DUE BY WEDNESDAY, MAY 18.**
- May 20 (F) End of Spring 2022 semester/ commencement

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.

## Tips for success:

- Watch the videos, take notes, and do examples before starting the homework.
- Put in the maximum effort daily in every aspect of your work.
- Maintain an organized and detailed notebook for homework and notes.
- Do not expect a good grade for average, mediocre, or poor work.
- Do not procrastinate.
- Avoid making excuses.

## 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 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:

Introduction to Statistics is the study of the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from a broad range of disciplines.

## Course objectives:

1. Interpret data displayed in tables and graphically
2. Apply concepts of sample space and probability
3. Calculate measures of central tendency and variation for a given data set
4. Identify the standard methods of obtaining data and identify advantages and disadvantages of each
5. Calculate the mean and variance of a discrete distribution
6. Calculate probabilities using normal and t-distributions
7. Distinguish the difference between sample and population distributions and analyze the role played by the Central Limit Theorem
8. Construct and interpret confidence intervals
9. Determine and interpret levels of statistical significance including p-values
10. Interpret the output of a technology-based statistical analysis
11. Identify the basic concept of hypothesis testing including Type I and II errors
12. Formulate hypothesis tests involving samples from one and two populations
13. Select the appropriate technique for testing a hypothesis and interpret the result
14. Use regression lines and ANOVA for estimation and inference, and interpret the associated statistics
15. Use appropriate statistical techniques to analyze and interpret applications based on data from at least four of the following disciplines: business, economics, social science, psychology, political science, administration of justice, life science, physical science, health science, information technology, and education.

**NOTE: It is the student's responsibility to put forward the time, effort, and ability needed to master these course objectives upon completion of this course. The lower the student's math ability, the higher will be the student's effort and time needed to master the objectives.**

► *Instructor reserves the right to make minor changes to the syllabus.*