

Reedley College

Math 11 – Elementary Statistics 2019 Spring Semester Course Syllabus

INSTRUCTOR: H. Hua

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CLASSROOM: Washington Union High School, Room A8

CLASS MEETINGS: Odd Days; 8:10-9:40 am

CLASS SECTION: 59301

COURSE PREREQUISITES: Math 103 or equivalent is the prerequisite of this course. It is your responsibility to review any prerequisite knowledge that you forgot, and this includes percent, decimals, fractions, radicals, evaluating algebraic expressions, and solving equations.

COURSE DESCRIPTION: This course covers these following topics: descriptive measures, probability, probability distributions, sampling distributions, central limit theorem, one and two sample hypothesis tests, estimation, correlation, regression and analysis of variance.

STUDENT LEARNING OUTCOME: Upon successful completion, the student will be able to:

1. Construct and interpret an appropriate confidence interval based on given sample information
2. Use descriptive statistics to appropriately describe the data set based on given data set
3. Perform and interpret an appropriate hypothesis test based on given sample information
4. Use a probability distribution to calculate probability based on given applied problem

WORKLOAD: This is a transferable math course, and the difficulty of this course should not be underestimated nor taken lightly. It is recommended that you should spend between 2 to 3 hours per day to study the contents of this course. It is your responsibility to manage your personal and work schedule with this course. If math is not your academic strength, then you may also need to go to free tutoring service, which is available on campus. See tutoring for more details.

TEXTBOOK: Statistics Informed Decisions Using Data by Michael Sullivan III, 5th edition. Although this textbook will be used for this course, purchasing it is optional. However, purchasing the access code from www.pearsonmylabandmastering.com or bookstore and getting registered in MyStatLab with the access code are mandatory. For more details on registering for MyStatLab, please refer to page 6 of this syllabus.

HOMEWORK: Online and offline homework will be assigned throughout this semester. The online homework will be assigned directly from MyStatLab. Each of these homework will be **due in a week** after the day in which its associated contents are covered during lecture. You will be responsible to learn how to use StatCrunch when doing the MyStatLab homework. The offline homework are the worksheets, which will be distributed during class. These worksheets will be due during the date of the exam and before taking the exam. **Late submission will be rejected.** Doing the homework is mandatory and completing at least 70% of the homework prior to each exam is one of the requirements for earning 5% extra credit on each exam. See extra credit for more details.

MICROSOFT XL: Each Microsoft XL assignment that pertains to the contents of the course will be assigned directly from Canvas: scccd.instructure.com. These assignments will be **due in a week** and must be submitted through Canvas. **Late submission will be rejected.** For each of these

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assignments, students are expected to apply statistical principals and formulas that they previously learned from each chapter into Microsoft XL, by inputting the correct formula, instead of correct number, into each missing cell.

ATTENDANCE: Regular attendance is mandatory and it is crucial to your success in this course. If you are absent for any legitimate reason, please inform me with proof in order to be excused. Otherwise, I will assume that are you absent without any legitimate reason. If you anticipate that you will be absent legitimately during the day of the exam, then please inform me in advance during class or by email no later than the starting time and date of the exam, and you must provide proof of absence before a makeup exam can be permitted. See exams and quizzes for more details. A legitimate reason of absence must be an extreme circumstance and it includes the followings, but not limited to:

- Family tragedy
- Maternity or fraternity leave
- Sports activity
- Transportation failure
- Personal illness or injury
- Doctor's appointment

It is your responsibility to ask your classmate for any lecture notes or critical announcement that you missed as a result of being absent. See classroom for more detail. I reserve the right to drop any student for any of these following reasons shown from below:

- Absent on the first day of class
- Absent at least 6 times by the last drop date

In addition, you will be marked as half absent if you are tardy or leave class early. If you are tardy, please inform me after class so that you will not be marked as absent. A seating chart will be made by the beginning of the second day so that attendance can be taken easily. If you are caught socializing on several different occasions, then you may be asked to switch seat.

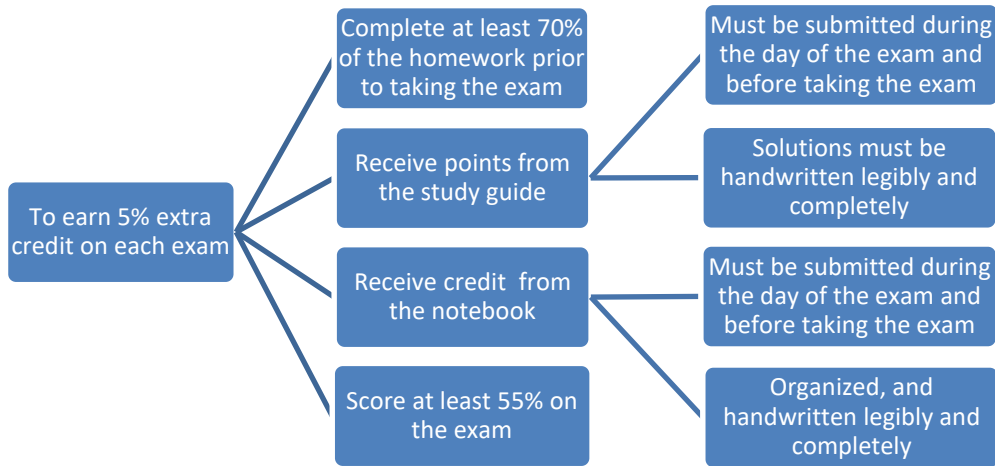
EXAMS AND QUIZZES: There will be four exams and nine quizzes given throughout this semester. One retake exam will be permitted after the last exam is graded. A particular exam can only be retaken if you previously took that exam. **One lowest exam score will be dropped partially by 50%, and one lowest quiz score will be dropped completely.** Only one makeup exam will be permitted, but no makeup quizzes are permitted. A makeup exam must be completed within the next few days in order to avoid a permanent zero score. During the exam or quiz, you will be permitted to use these following items:

- Pencil/Pen
- Eraser
- Graphing calculator (required)
- Your brain – *please think outside the box as well as inside*

Any item other than these items mentioned from above, including water bottles, must be under your desk or table. Talking is prohibited during the exam. A study guide, which almost completely mirrors the actual exam, will be distributed during class.

EXTRA CREDIT: Earning extra credit requires substantial academic effort. The diagram from below illustrates the requirements for earning 5% extra credit on each exam. It will also be offered to you when you take the syllabus quiz. See the syllabus quiz for more detail. Since extra credit will be offered to you and will be applied to your semester grade, negotiating for a borderline grade is absolutely unacceptable and it will not be tolerated.

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CELL PHONES: Below is a list of what you should do and don't regarding cell phones:

DO:	DON'T
<ul style="list-style-type: none"> Use your cell phone to take pictures of the lecture note. 	<ul style="list-style-type: none"> Use your cell phone for personal texting or calling during the middle of class.
<ul style="list-style-type: none"> Use your cell phone to log in to Canvas as directed by the instructor. 	<ul style="list-style-type: none"> Allow your cell phone to go off during the middle of class.
<ul style="list-style-type: none"> Put your cell phone in silent mode at all times, and turn it off when taking the quiz or exam. 	<ul style="list-style-type: none"> Use your cell phone as a calculator when taking the quiz or exam.

ACADEMIC DISHONESTY: Cheating on the exams constitutes academic dishonesty, and it is an offense that cannot be tolerated. If you are caught using your cell phone during the quiz or exam, then you are assumed to be cheating. When you are caught cheating, you will be disqualified immediately, you will be dismissed from class for the rest of the day, you will receive a zero score, and you will receive a referral to the dean.

GRADING: Your semester grade will be based on these criterions shown from below. Your letter grade will be based on a standard grading scale.

Criterion	Point	Percent
Homework	100	10.3%
Microsoft XL	100	10.3%
Quiz	160	16.5%
Study Guide	60	6.2%
Exam	350	36.1%
Final Exam	200	20.6%
Total	970	100.0%

Letter Grade	Percentage Interval
A	90% or above
B	89.99% - 80%
C	79.99% - 70%
D	69.99% - 60%
F	59.99% - 0%

CLASSROOM: Note taking is mandatory and it is one of the most crucial processes of learning the contents of this course. You are expected to take notes and concentrate on listening to the lecture. However, if you are not a fast notetaker, then you may to listen to the lecture, take pictures of the lecture notes with your cell phone, and copy the lecture notes onto your notebook. Since the

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lecture notes will be color coded, please provide yourself with colorful pencil, pen, markers, or highlighters. To ensure that you were taking notes thoroughly and that you did not miss any lecture note, you will be required to submit your notebook during the day of the exam and before taking the exam. Your name must be written on your notebook.

I reserve the right to dismiss any student from the classroom and/or mark them as absent for the rest of the day under any of these circumstances, but not limited to:

- Socializing with other students, sleeping, or texting with your cell phone
- Doing the homework while the lecture is in progress
- Being rude or disruptive to the instructor
- Expressing discontent and/or being argumentative towards the instructor

COURSE EXPECTATIONS: Below is a list of what I would encourage you to do and don't in order to satisfy these course expectations and to become a successful in this course:

DO:	DON'T
• Maintain very good attendance (less than 7 unexcused absences).	• Maintain poor attendance (7 or more unexcused absences).
• Copy all contents of the lecture completely and legibly.	• Copy the contents of the lecture that you think is relevant to you.
• Learn the math conceptually as well as learning it kinesthetically.	• Merely learn the math kinesthetically, and focus on obtaining the correct answer.
• Learn the concepts and definition first followed by examples, or learn forward.	• Learn the examples first followed by concepts and definitions, or learn backward.
• Read all the lecture notes repetitiously.	• Read very little or no lecture notes.
• Do your homework regularly.	• Do your homework occasionally.
• Be highly committed and self-motivated to learning the contents of this course.	• Enroll in this course in order to merely pass without showing any interest in learning.
• Read all announcements posted through Canvas before asking questions.	• Read very little or no announcements posted through Canvas, and ask obvious questions.

TUTORING: Free tutoring service is available after school in room A8. Please take full advantage of this service if you are having academic difficulty with this course.

DISABILITY ACCOMMODATION: 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.

IMPORTANT DATES: Below is a list of important dates:

01/21/19	Martin Luther King, Jr.	02/26/19	Exam #2	04/19/19	Spring Break Ends
01/31/19	Exam #1	03/23/19	Last Drop Day	05/14/19	Exam #4
02/11/19	Lincoln Birthday	03/29/19	Exam #3	05/27/19	Memorial Day
02/18/19	Washington Birthday	04/15/19	Spring Break Starts	06/04/19	Final Exam

NOTE: This syllabus is subject to change at the discretion of the instructor. If so, it will be announced immediately.

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TENTATIVE SCHEDULE OF CONTENTS AND EXAMS

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	7-Jan	8-Jan Introduction 1.1	9-Jan	10-Jan 1.1-1.3	11-Jan
2	14-Jan 1.3-1.4 2.1	15-Jan	16-Jan Quiz #1 2.2	17-Jan	18-Jan 2.2, 3.1
3	21-Jan <i>Martin Luther King, Jr. Birthday</i>	22-Jan	23-Jan 3.2	24-Jan	25-Jan 3.2, 3.4
4	28-Jan	29-Jan Quiz #2, 3.4-3.5, Review	30-Jan	31-Jan Exam #1 5.1	1-Feb
5	4-Feb 5.1-5.2	5-Feb	6-Feb 5.2-5.3	7-Feb	8-Feb 5.3-5.4
6	11-Feb <i>Lincoln Birthday</i>	12-Feb	13-Feb Quiz #3 5.5	14-Feb	15-Feb 5.5 6.1
7	18-Feb <i>Washington Birthday</i>	19-Feb	20-Feb 6.1-6.2	21-Feb	22-Feb Quiz #4, 6.2 , Review, 7.1
8	25-Feb	26-Feb Exam #2 7.2	27-Feb	28-Feb 7.2	1-Mar
9	4-Mar 7.3-7.4	5-Mar	6-Mar 7.4 8.1	7-Mar	8-Mar Quiz #5 8.1-8.2
10	11-Mar	12-Mar 9.1	13-Mar	14-Mar 9.1-9.2	15-Mar
11	18-Mar Quiz #6, 9.3 , Review, 10.1	19-Mar	20-Mar Worksheet Discussion	21-Mar	22-Mar Worksheet Discussion
12	25-Mar <i>Local Holiday</i>	26-Mar	27-Mar Worksheet Discussion	28-Mar	29-Mar Exam #3 10.1
13	1-Apr	2-Apr 10.1	3-Apr	4-Apr 10.2	5-Apr
14	8-Apr 10.3-10.4	9-Apr	10-Apr 10.4	11-Apr	12-Apr Quiz #7 11.1
<i>Spring Break: April 15th - 19th</i>					
15	22-Apr <i>Local Holiday</i>	23-Apr	24-Apr 11.2	25-Apr	26-Apr Quiz #8 11.3-11.4
16	29-Apr	30-Apr 11.4 , Review 4.1	1-May	2-May Worksheet Discussion	3-May
17	6-May Worksheet Discussion	7-May	8-May 4.1	9-May	10-May Worksheet Discussion
18	13-May	14-May Exam #4 4.2	15-May	16-May 4.2-4.3	17-May
19	20-May 12.1	21-May	22-May Quiz #9 12.2	23-May	24-May 12.2 , 13.1 Review
20	27-May <i>Memorial Day</i>	28-May	29-May Worksheet Discussion	30-May	31-May Worksheet Discussion
21	3-Jun	4-Jun Final Exam	5-Jun	6-Jun Final Exam	7-Jun

Note: Critical lectures are written in bold.



Student Registration Instructions for Canvas

First, enter your Canvas course

1. Sign in to Canvas and enter your Canvas course.
2. Do one of the following:
 - » Select any Pearson link from any module.
 - » Select a MyLab and Mastering link in the Course Navigation. Next, select **Open MyLab and Mastering** or a content link.

Next, get access to your Pearson course content

1. Enter your Pearson account **username** and **password** to **Link Accounts**.
You have an account if you have ever used a MyLab or Mastering product.
 - » If you don't have a Pearson account, select **Create** and follow the instructions.
2. Select an access option:
 - » Enter the access code that came with your textbook or that you purchased separately from the bookstore.
 - » If available for your course,
 - Buy access using a credit card or PayPal.
 - Get temporary access.
3. From the You're Done page, select **Go to My Courses**.

Note: We recommend you always enter your MyLab Statistics course through Canvas.

Get your computer ready

For the best experience, check the system requirements for your product at <https://www.pearsonmylabandmastering.com/system-requirements/>

Need help?

For help with MyLab Statistics for Canvas, go to https://help.pearsoncmq.com/integration/cq/canvas/student/en/content/get_started.htm

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Student Name _____
ID Number _____

Syllabus Quiz
Math 11: Elementary Statistics
Class Meetings: Odd Days; 8:10-9:40 am
Class Number: 59301

Direction: Select the most appropriate choice for each multiple choice question. There are 10 questions and each is worth 1 extra credit point. Extra credit will be rewarded to you towards the end of this semester based on these requirements shown from below:

- Answer at least 7 out of 10 questions correctly.
 - Sign the terms and condition and date it.
 - Submit the quiz.
 - Be responsible in understanding and abiding by the terms of this course syllabus at all times throughout this semester.
1. What is the best way to manage the workload of this course?
 - a. Ask the instructor to assign less homework and to slow down the lecturing pace.
 - b. Assume this is an easy course and its workload is very manageable.
 - c. Go to free tutoring service.
 - d. Spend between 2 to 3 hours per day to study the contents of this course.
 2. Should the homework be completed regularly? Why or why not?
 - a. Yes, because I need to develop a very good study habit in order to be successful in this course.
 - b. Yes, because doing the homework is mandatory and completing at least 70% of the homework is one of the requirements for earning extra credit.
 - c. No, because I cannot afford to buy the access code.
 - d. No, because the homework is supplemental to the lecture notes.
 3. Which of the following reason of absence is NOT legitimate?
 - a. Having a fever
 - b. Participation in a college baseball game
 - c. Death of an uncle
 - d. Prolonging a spring break or a Thanksgiving weekend
 4. After missing a day of class, what would be the most appropriate action that you should consider doing?
 - a. Ask a classmate for any missed lecture note or critical announcement.
 - b. Ask the instructor at the end of class or by email.
 - c. Come to class the next day and move on with the flow.
 - d. Read and study the textbook.
 5. If you are unable to take the quiz, what would be the most appropriate action that you should consider doing?
 - a. Inform the instructor of your absence in advance.
 - b. Ask the instructor for a makeup quiz.
 - c. Provide proof of absence to the instructor before a makeup quiz can be permitted.
 - d. Acknowledge that there are no makeup quizzes and one lowest quiz score will be dropped.

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6. If you are unable to take the exam, what would be the most appropriate action that you should consider doing?
 - a. Retake the exam at a later date.
 - b. Ask the instructor for a makeup exam during the next day of class.
 - c. Inform the instructor by email no later than the starting time and date of the exam, and provide him proof of absence during class before a makeup exam can be permitted.
 - d. Inform the instructor on the next day of class, and provide him proof of absence during class before a makeup exam can be permitted.

7. Which item must be submitted to the instructor during the day of the exam and before taking the exam?
 - a. Study guide
 - b. Worksheets
 - c. Notebook
 - d. All of the above

8. All of the followings are the expectations of you as a student, when attending a lecture, EXCEPT:
 - a. Take notes and listen to the lecture.
 - b. Listen to the lecture, take pictures of the lecture notes, and copy the lecture notes onto your notebook, if you are not a fast notetaker.
 - c. Do the homework while the lecture is in progress in order to multitask.
 - d. Provide yourself with colorful pencils, pens, markers, or highlighters.

9. All of the followings are the encouragements that you should do in order to satisfy the course expectation and to become successful in this course, EXCEPT:
 - a. Be highly committed and self-motivated to learning the contents of this course.
 - b. Merely learn the math kinesthetically, and focus on obtaining the correct answer.
 - c. Read all the lecture notes repetitiously.
 - d. Copy all contents of the lecture completely and legibly.

10. What is the most appropriate reason to attend free tutoring service?
 - a. Your learning pattern is not compatible with the instructor's teaching pattern.
 - b. You are unable to spend a sufficient amount of time on studying the contents.
 - c. You have academic difficulty with this course.
 - d. You are procrastinating and not studying.

TERMS AND CONDITIONS: By enrolling into this course, you consent to and agree to be bound by the foregoing terms of this syllabus. It is your responsibility to understand and abide by the terms of this syllabus at all times throughout this semester. You are acknowledging that passing this course requires a high level of commitment in studying its contents, and you are acknowledging that sufficient resources will be available to you to help you to succeed in this course.

X _____

Date _____