

MATH 161 – Mathematical Preparation for Statistics and Liberal Arts

Instructor: Zhi Zeng

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Office hour: Monday 4 – 5:00pm in Zoom

Text: A Pathway to Introductory Statistics, 1st edition by Jay Lehmann.

Grading policy:

Exams: There will be three timed online exams, in addition to the final exam. The final will be comprehensive. Missed exams cannot be made up. If you miss an exam, you will need to contact me to discuss your option.

Homework: Homework will be given daily and will due on the following Sunday midnight.

MyLab Course ID: zeng71634

Grading:	90 – 100%	A	Exams	60%
	80 – 89%	B	Homework	15%
	70 – 79%	C	Final Exam	25%
	60 – 69%	D		
	Below 60%	F		

Participation: Please understand and to know that your attendance and participation in class activities are essential to your success in this course. If you must miss a class, you are responsible for all missed notes, concepts and assignments. If you wish to drop the class, it is your responsibility to do so. However, you will may be dropped for missing exam(s).

Tutoring Lab: The campus are offering tutor sessions through Zoom, you will may schedule appointments through <https://mathematics.santarosa.edu/online-math-lab-tutoring>

Cheating: Cheating in any form is unacceptable. Cheating will result in severe consequences, which may include a grade of F in the course.

Attitude: You will have to be respectful toward everyone during class; follow classroom etiquettes.

What you can do is ask for help: I strongly encourage you to form study groups and to work together to understand the material and concepts covered in class. Explaining a concept is a valuable way for you and the listener to develop your insight and your memorizing skills. Furthermore, you can always attend office hours or go to free tutoring. In addition, having a good and positive learning attitude is the key to success for this class.

Student Learning Outcomes:

Upon completion of the course, students will be able to:

1. Create linear and exponential models using real world data in the context of application problems.

2. Find and analyze summary statistics for categorical and quantitative data.
3. Create and analyze graphical representations for categorical and quantitative data.
4. Create and interpret functions graphically, verbally, and algebraically.

Objectives:

During this course, students will:

1. Evaluate, apply, and simplify algebraic expressions.
2. Use linear expressions, equations, and inequalities in application problems.
3. Produce data through random sampling and analyze the data collected.
4. Analyze real data sets by finding measures of central tendency, position, and spread, and by constructing various charts and graphs.
5. Use data to calculate and analyze the slope, y-intercept, and equation of a line in two variables and construct a graph of the linear equation and regression line.
6. Apply linear and exponential functions for regression analysis to solve application problems.
7. Solve and analyze basic probability problems using ratios, proportions, two-way tables and percentages.
8. Consistently apply effective learning strategies for success in college.

Special Needs: If you believe that you may need an accommodation based on the impact of a disability, please contact Disability Resources as early in the semester as possible, in order to discuss your specific needs and to determine a reasonable accommodation plan. You may contact Disability Resources Office in Bertolini Student Center, 3rd Floor (disabilityinfo@santarosa.edu, phone: 707-527-4278).

Math 161 – Fall 2020 Section 1334 MW 6:00pm – 8:00pm Zoom Tentative Schedule			
	Monday	Wednesday	Week
August	17: Ch2	19: Ch3	1
	24: Ch3	26: Ch3	2
September <i>Sep 6 is the last day to drop, without a 'W'.</i>	31: Ch3	2: Ch4	3
	7: Holiday	9: Ch4	4
	14: Review	16: Exam 1	5
	21: Ch5	23: Ch5	6
	28: Ch6	30: Ch6	7
October	5: Ch7	7: Ch7	8
	12: Ch7	14: Review	9
	19: Exam 2	21: Ch8	10
	26: Ch8	28: Ch8, 9	11
November <i>Nov 15 is the last day to drop, with a 'W'.</i>	2: Ch9	4: Review	12
	9: Exam 3	11: Holiday	13
	16: Ch10	18: Ch10	14
	23: Ch10	25: Thanksgiving	15
December	30: Ch10	2: Ch10	16
	7: Ch5	9: Review	17
	14: Final Exam		