

De Anza College – Fall 2021
MATH 109-21Z
Intermediate Algebra for Statistics

Instructor: Paul Du, PhD
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Class: TTh 1:30–3:45 pm, Online
Office Hours: TTh 12:30–1:20 pm, Online

Prerequisite

None

Course Description

Applications of linear and exponential functions. Emphasis on the development of models of real-world applications and interpretation of their characteristics. Introduction to discrete probability, and data analysis, making use of graphical and numerical techniques.

Textbook

A Pathway to Introductory Statistics, 2nd Edition, Jay Lehmann, Pearson. An electronic textbook can be accessed through MyMyLab. No physical textbook is required.

Online Homework Access

Access to MyMathLab is required for this course. Students must purchase an access code (online or at the bookstore) in order to do online homework and access an electronic textbook. To register for MyMathLab, go to <https://mlm.pearson.com/northamerica/mymathlab/>. The Course ID for this course is **du61291**.

Calculator

A graphing calculator (e.g. TI-83/TI-84) is recommended.

Tips for Success

- ▶ Participate actively in class.
- ▶ Work problems every day.
- ▶ Review old material constantly.
- ▶ Form a study group.
- ▶ Utilize tutoring and online resources.

Additional Help

If you find yourself falling behind or find any topics difficult to understand, please seek help immediately! Math and Science Tutorial Center provides free online tutoring.

Homework and Quizzes

Homework will be assigned for each covered section and will be graded through MyMathLab on a weekly basis. Homework is designed to reinforce the concepts and skills learned in class and is essential to success in this course. The lowest three (3) section scores will be dropped. The homework due dates are strictly enforced by the system. No late homework will be accepted.

There will be six (6) quizzes given throughout the semester. Some quizzes may be taken online using MyMathLab. Quiz problems will be based on the homework. The lowest quiz score will be dropped. There will be **no make-up quizzes under any circumstances**.

Exams

There will be two (2) midterm exams given during the quarter. The lowest midterm exam score will be replaced by the final exam score, if the latter is higher. There will be **no make-up midterm exams under any circumstances**.

A mandatory comprehensive final exam will be given at the end of the quarter. The final exam must be taken at the officially scheduled time. Any student who misses the final exam will receive a grade of F for the course.

Late Submission Policy: All the exams shall be scanned and submitted in Canvas. It is the student's responsibility to ensure that the exam is properly scanned and submitted on time. A penalty will be applied to the exam score for a late submission: 10% deducted for up to 10 minutes late; 20% deducted for 10 minutes to 20 minutes late. Any submission more than 20 minutes late will receive no points.

Grading Policy

The course grade will be determined by the following criteria:

Homework	15%	[99%, 100%]	=	A+	[80%, 82%)	=	B-
Quizzes	15%	[92%, 99%)	=	A	[77%, 80%)	=	C+
Midterm Exams	40%	[90%, 92%)	=	A-	[65%, 77%)	=	C
Final Exam	30%	[87%, 90%)	=	B+	[55%, 65%)	=	D
		[82%, 87%)	=	B	[0%, 55%)	=	F

Attendance Policy

Students are expected to attend all classes, to be on time and to stay for the entire class period. Any student who misses more than one (1) class during the first two weeks or more than three (3) classes before the withdraw deadline may be dropped by the instructor. Each incidence of tardiness or leaving class early will count as half an absence. If a student decides not to continue with the course, it is the student's responsibility to officially drop the course. Failure to do so may result in a grade of F for the course.

Academic Honesty Policy

Students are responsible for keeping themselves informed of the De Anza College Policy on Academic Integrity (www.deanza.edu/policies/academic_integrity.html). Cheating will not be tolerated

and may result in receiving a zero on the exam or an F for the course and being reported to the Dean of Students Office for possible disciplinary action.

Accommodations for Students with Disabilities

Students with disabilities who believe that they may need accommodations in this course are encouraged to contact Disability Support Services (408-864-8753) or Educational Diagnostic Center (408-864-8839) as soon as possible to ensure that such accommodations are arranged in a timely fashion.

Student Learning Outcome(s):

*Evaluate real-world situations and distinguish between and apply linear and exponential function models appropriately.

*Analyze, interpret, and communicate results of linear and exponential models in a logical manner.

*Organize sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.