

MAT 132 Stats & Probability w/Support (Discussion), Section 03, CN 24539, (Laboratory), Section 04, CN 24540 Spring 2025

Class meets MWF 11:30 AM - 12:45 PM (Discussion), Monday and Wednesday in LIB 1128 and Friday in WH A118, F: 12:45 PM – 2:15 PM (Laboratory) in WH A118.

Instructor: Serban Raianu, office: NSM E-108, office phone: (310) 243-3139, cell phone: (657) 204-5612; e-mail address: sraianu@csudh.edu, URL: <http://math.csudh.edu/~sraianu>; office hours: Monday, Wednesday: 2:20 PM - 4:15 PM, or by appointment.

Course Description: A practical course in probability and statistics including such topics as normal distributions, confidence intervals, t tests, linear regression and correlation.

Text: *The Basic Practice of Statistics*, by David S. Moore. W.H. Freeman and Company, Sixth Edition.

Objectives: After completing MAT 131 the student will be able to

- demonstrate understanding of the relationship between a question that is asked in the natural, economic, and social sciences and the nature of the numerical data that are needed in order to provide an answer to the question,
- carry out the required algebraic manipulations, with appropriate use of a calculator, to analyze and understand the implications contained in a set of numerical data,
- draw a valid inference from a collection of numerical data.

Prerequisites: MAT 102 or GE Math Ready with Support (Level III).

Grades: Grades will be based on **three full period written examinations** (60% total), a comprehensive **final examination** (25%), and **quizzes, homework** and (possibly) other assignments (15%) for the remainder. The exact grading system for your section is the following:

No makeup examinations will be given. The exams are taken in class and graded on Gradescope. If you must miss an examination for a legitimate reason, discuss this, in advance, with me, and I may then substitute the relevant score from your final examination for the missing grade. Each of the **three exams** will be graded on a 0-20 scale, then the sum of the scores is denoted by E.

Homework will be due at the end of the day on January 28, February 4, 11, 20, March 4, 11, 18, 25, April 13, 20, 27 and May 4, and each homework is worth 10 points. The submission will consist of the problems done in class with the numbers changed, and the problems in the Check your skills section at the end of each chapter. The average of all homework scores is denoted by H. Homework will be submitted as a pdf with your paperwork on Gradescope. There is no need to match the pages with the problems when submitting the homework, see <https://www.youtube.com/watch?v=u-pK4GzpId0>

Gradescope can be accessed from the link your Canvas course, and you can practice submitting your work on Gradescope using the assignment called Submission practice, which will remain open throughout the semester. No late homework will be accepted.

15 minutes quizzes will be given on January 29, February 5, 12, 21, March 5, 12, 19, 26, April 14, 21, 28, and May 5, and will be graded on a scale from 1 to 5. The average of the quiz scores is denoted by Q. Each quiz will consist of one problem, similar but not necessarily identical to one of the homework problems assigned for that week. The quiz will be taken in class and graded on Gradescope. No makeup quizzes will be offered.

The **final exam, will contain problems similar to problems assigned as homework throughout the semester**, will be graded out of a maximum possible 25 points. The score on the final is denoted by F. The final exam will be taken in class and graded on Gradescope.

To determine your **final grade**, compute $E+H+Q+F$. The maximum is 100, and the grade will be given by the rule:

A: 93-100; A-: 90-92; B+: 87-89; B: 83-86; B-: 80-82
C+: 77-79; C: 70-76; NC: Less than 70.

You will be able to follow your progress in the class in Canvas under Grades throughout the semester.

Extra Credit: The SI will take attendance during labs on Fridays, and each time your attendance is recorded you receive an extra credit of 0.2 points, for a maximum total of 3 points. Other extra credit opportunities will be announced in class.

Accommodations for Students with Disabilities: California State University, Dominguez Hills adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with temporary and permanent disabilities. If you have a disability that may adversely affect your work in this class, I encourage you to register with Student disAbility Resource Center (SdRC) and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. Please note: no accommodation may be made until you register with the SdRC in WH D-180. For information call (310) 243-3660 or to use telecommunications Device for the Deaf, call (310) 243-2028.

Academic Integrity: The mathematics department does not tolerate cheating. Students who have questions or concerns about academic integrity should ask their professors or the counselors in the Student Development Office, or refer to the University Catalog for more information. (Look in the index under "academic integrity".)

Tentative schedule and homework assignments

W 1/22, F 1/24, M 1/27:	Chapter 1
W 1/29, F 1/31, M 2/3:	Chapter 2
W 2/5, F 2/7, M 2/10:	Chapter 3
W 2/12, F 2/14:	Chapter 4
M 2/17:	Presidents' Day
W 2/19:	Chapter 4
F 2/21:	Review
M 2/24:	Exam 1
W 2/26, F 2/28, M 3/3:	Chapter 5
W 3/5, F 3/7, M 3/10:	Chapter 8
W 3/12, F 3/14, M 3/17:	Chapter 9
W 3/19, F 3/21, M 3/24:	Chapter 10
W 3/26:	Review
F 3/28:	Exam 2
M 3/31, W 4/2, F 4/4:	Spring Recess
M 4/7, W 4/9, F 4/11:	Chapter 11
M 4/14, W 4/16, F 4/18:	Chapter 14
M 4/21, W 4/23, F 4/25:	Chapter 15
M 4/28, W 4/30, F 5/2:	Chapter 18
M 5/5:	Review
W 5/7:	Exam 3
F 5/9:	Final review

Final examination: Wednesday, May 14, 11:30 AM - 1:30 PM.

Important Dates:

January 21 Tuesday Classes Begin
February 1 Saturday Summer 2025 Graduation Application Deadline – without late fee
February 6 Thursday Instructor Drop Deadline
February 6 Thursday Credit/No Credit and Audit Grading Deadline
February 8-13 Saturday-Thursday Late Registration and Add/Drop via MyCSUDH – fees due at time of registration
February 14 Friday Last Day to Drop from FT to PT Status with Refund
February 14 Friday Drop without Record of Enrollment Deadline via Change of Program Form
February 14 Friday Student Census
February 17 Monday President's Day Holiday – NO CLASSES, CAMPUS OPEN
February 17-April 18 Monday-Friday Serious and Compelling Reason Required to Withdraw
February 18-May 16 Tuesday-Saturday May Intersession 2025 Registration – fees due at time of registration
March 17-July 4 Monday-Friday Summer 2025 Registration – fees due at time of registration
March 25 Tuesday Last Day for Pro-rata Refund of Non-Resident Tuition and Tuition Fees
March 30-April 5 Sunday-Saturday Spring Recess
March 31 Monday Cesar Chavez Day Holiday – NO CLASSES, CAMPUS CLOSED
April 14-August 17 Monday-Sunday Fall 2025 Registration begins via MyCSUDH
April 15 Tuesday Summer 2025 Graduation Application – Late Deadline – with late fee
April 18 Friday First Day to file for Spring 2026 Graduation
April 21-May 9 Monday-Friday Serious Accident/Illness Required to Withdraw
May 9 Friday Last Day of Scheduled Classes
May 10-16 Saturday-Friday Final Examinations
May 10 Saturday Grade Submission Begins
May 16-17 Friday-Saturday Commencement (for more information see ceremony schedule)
May 19 Monday Evaluation Day
May 21, 3 p.m. Wednesday Final Grades Due
May 21 Wednesday Semester/Academic Year Ends