

Stat 152: Introduction to Statistics

Wintermester 2019

Number of Credits

3 credits

Instructor

Zoe Haskell

Catalog Description

STAT 152 is an introduction to the ideas behind the foundations of statistics. Topics to be covered include (but are not limited to) descriptive statistics, random variables and probability models, statistical estimation and hypothesis testing, and linear regression analysis.

Required Textbooks/Materials

The following text is required material in this course:

Essentials of Statistics, 6th edition by Mario Triola

Student Learning Outcomes

Upon successfully completing this course, students will be able to

- compute descriptive statistics and probabilities from data, using the application of correct statistical notation and language, as well as clearly explaining the reasoning they applied; and
- choose and apply an appropriate statistical analysis or modeling method to solve problems arising in different research fields.

Grade Breakdown

The point distribution for the course is:

Assignment	Points
Homework	30
Quizzes	10
Test 1	20
Test 2	20
Test 3	20
<i>Total</i>	<i>100</i>

The percentage distribution for the course is:

Letter	Percentage
A	90-100
B	80-89
C	70-79
D	60-69
F	below 60