

NC 270A: MATH BOOT CAMP

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2023
Credits:	0
Total Contact Hours:	36
Lecture Hours :	36
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	72
Transferable to CSU:	No
Transferable to UC:	No
Grading Method:	Non-Credit Course

Catalog Course Description

A noncredit math boot camp designed to help students with basic and transfer-level statistics. Recommended for students who need to gain confidence in their algebra and statistics skills. 36 lecture hours.

Course Objectives

- Calculate probabilities using normal and t-distributions.
- Distinguish the difference between sample and population distributions and analyze the role played by the Central Limit Theorem.
- Construct and interpret confidence intervals.
- Determine and interpret levels of statistical significance including p-values.
- Formulate hypothesis tests involving samples from one population.

Major Course Content

This course surveys a variety of mathematical topics needed to prepare students for college-level statistics. Topics may include: performing operations on and evaluation of algebraic expressions, designing observational studies and experiments, graphical and tabular display of data, summarizing data, computing probabilities, describing associations of two variables graphically, graphing equations of lines and linear models, solving linear equations and inequalities, probability, descriptive and inferential statistics, normal distribution, chi square distribution, sampling distributions, confidence intervals, hypothesis testing, and finding linear models.

Suggested Reading Other Than Required Textbook

Instructor provided class notes.

Instruction Type(s)

Lecture, Online Education Lecture