

COURSE DETAIL

INTRODUCTORY STATISTICS

Country

South Africa

Host Institution

University of Cape Town

Program(s)

Explore South Africa,University of Cape Town

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

10

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTORY STATISTICS

UCEAP Transcript Title

STATISTICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This introductory statistics course develops a sense of numeracy and presents a number of principles and tools to support appropriate quantitative analysis. There is a strong emphasis on using Excel to perform calculations, to manipulate data, and also to demonstrate principles of statistics. Topics include statistical modeling; exploratory data analysis and summary statistics; probability theory; random variables; probability mass and density functions; binomial, Poisson, exponentials, normal, and uniform distributions; sampling distributions; confidence intervals; hypothesis testing; determining sample size; simple linear regression; and measures of correlation. Assessment: classwork (30%), final exam (70%).

Language(s) of Instruction

English

Host Institution Course Number

STA1000F/S

Host Institution Course Title

INTRODUCTORY STATISTICS

Host Institution Campus

Commerce

Host Institution Faculty

Host Institution Degree

Host Institution Department

Statistical Sciences

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