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 Course Details

Host Institution Campus
Commerce

Host Institution Faculty

Host Institution Degree

Host Institution Department
Statistical Sciences

Course Last Reviewed

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