

COURSE DETAIL

INTRODUCTION TO BIOSTATISTICS

Country

New Zealand

Host Institution

University of Otago

Program(s)

University of Otago

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

19

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO BIOSTATISTICS

UCEAP Transcript Title

INTRO BIOSTATISTICS

UCEAP Quarter Units

7.00

UCEAP Semester Units

4.70

Course Description

Biostatistics (statistics applied in the health sciences) is a vital tool in the mission to improve health and well-being for all people. This course provides an introduction to the core principles and methods of biostatistics. The course provides understanding of how statistics is used to answer research questions: how to look for patterns in data and how to test hypotheses about disease causation and prevention and improvement in well-being. Topics covered include the nature of random variation, the concepts of bias and confounding, study design, data description including risks and odds, binomial and normal distributions, estimation, hypothesis testing, regression, the control of confounders, critical appraisal, and the analysis of variance.

Language(s) of Instruction

English

Host Institution Course Number

STAT115

Host Institution Course Title

INTRODUCTION TO BIOSTATISTICS

Host Institution Course Details

Host Institution Campus

Dunedin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics & Statistics

Course Last Reviewed

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