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

Print