

COURSE DETAIL

DESIGN OF RESEARCH STUDIES

Country

New Zealand

Host Institution

University of Otago

Program(s)

University of Otago

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

DESIGN OF RESEARCH STUDIES

UCEAP Transcript Title

RESEARCH STUDY

UCEAP Quarter Units

7.00

UCEAP Semester Units

4.70

Course Description

The reliability of the findings from a research study depends critically on the design of the study. An understanding of the principles of study design is important for all consumers of scientific research, and essential for all those who will be carrying out scientific research. This course provides students with the knowledge and skills to translate a research aim into specific study objectives, construct a study design to address the objective(s), and write a plan for the statistical analysis. Students will also learn skills in critical evaluation of published research papers. Topics include survey methods, experimental and observational studies, measurement, control of confounding and bias, evaluation of competing designs, determination of study size.

Language(s) of Instruction

English

Host Institution Course Number

STAT311

Host Institution Course Title

DESIGN OF RESEARCH STUDIES

Host Institution Campus

Host Institution Faculty

Maths and Statistics

Host Institution Degree

Host Institution Department

Mathematics

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