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 Course Details
https://www.stats.otago.ac.nz/?undergraduate_papers=stat311

Host Institution Campus

Host Institution Faculty
Maths and Statistics

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2020-2021

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