

COURSE DETAIL

PROBABILITY AND ESTIMATION THEORY

Country

Australia

Host Institution

University of Sydney

Program(s)

University of Sydney

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

111

UCEAP Course Suffix**UCEAP Official Title**

PROBABILITY AND ESTIMATION THEORY

UCEAP Transcript Title

PROBAB & ESTIM THRY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines probability, the concept of random variables, special distributions including the Binomial, Hypergeometric, Poisson, Normal, Geometric and Gamma and statistical estimation. This course will investigate univariate techniques in data analysis and for the most common statistical distributions that are used to model patterns of variability. Students will learn the method of moments and maximum likelihood techniques for fitting statistical distributions to data.

Language(s) of Instruction

English

Host Institution Course Number

STAT2011

Host Institution Course Title

PROBABILITY AND ESTIMATION THEORY

Host Institution Course Details

<https://www.sydney.edu.au/units/STAT2011/2023-S1C-ND-CC>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2022-2023

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