

COURSE DETAIL

PROBABILITY AND STATISTICS

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics Mathematics

UCEAP Course Number

119

UCEAP Course Suffix**UCEAP Official Title**

PROBABILITY AND STATISTICS

UCEAP Transcript Title

PROBABILITY & STATS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explains the theory of probability and some of the statistical methods based upon it. The course begins with the basic ideas of probability theory: events, probabilities, random variables and the notion of independence. It continues with the two crucial principles: the law of large numbers and the central limit theorem. Using these, the course covers the fundamental concepts of statistical inference (estimation and hypothesis testing), and illustrates these concepts using the most important statistical models.

Language(s) of Instruction

English

Host Institution Course Number

MATH0057

Host Institution Course Title

PROBABILITY AND STATISTICS

Host Institution Campus

University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

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