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 Course Details
https://www.ucl.ac.uk/maths/sites/maths/files/math0057.pdf
https://www.ucl.a...

Host Institution Campus
University College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2019-2020

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