

COURSE DETAIL

PROBABILITY AND STATISTICS

Country

Japan

Host Institution

Keio University

Program(s)

Keio University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

145

UCEAP Course Suffix**UCEAP Official Title**

PROBABILITY AND STATISTICS

UCEAP Transcript Title

PROBABILITY & STATS

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course aims at providing a foundation of knowledge on probability theory for advanced undergraduate students or first-year graduate students who have studied introductory statistics. The course covers basic concepts in probability theory such as conditional probabilities, random variables, probability distributions and expectation in a mathematically rigorous fashion. This course also offers students an opportunity to learn Python programming for statistical inference and Monte Carlo simulation. It is preferable for students to install Anaconda (<https://www.anaconda.com>) on their laptop computers and bring them to the classroom.

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

PROBABILITY AND STATISTICS B

Host Institution Course Details

Host Institution Campus

Keio University, Mita Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Economics

Course Last Reviewed

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