

COURSE DETAIL

BASIC CONCEPTS IN STATISTICS AND PROBABILITY

Country

Hong Kong

Host Institution

Chinese University of Hong Kong

Program(s)

Chinese University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

100

UCEAP Course Suffix

A

UCEAP Official Title

BASIC CONCEPTS IN STATISTICS AND PROBABILITY

UCEAP Transcript Title

STATS & PROBABILITY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course is a study of the basic concepts of probability and statistics. Topics include elementary probability, Bayes theorem, random variables, distribution and density functions, mathematical expectation, conditional distribution, stochastic independence, correlation, special univariate and multivariate distributions, transformation of random variables, sampling distributions, law of large number, moment generating function and central limit theorem.

Language(s) of Instruction

English

Host Institution Course Number

STAT2001

Host Institution Course Title

BASIC CONCEPTS IN STATISTICS AND PROBABILITY I

Host Institution Campus**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Statistics

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