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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Statistics

Course Last Reviewed

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