

# 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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