

# COURSE DETAIL

## PROBABILITY

**Country**

Hong Kong

**Host Institution**

Hong Kong University of Science and Technology (HKUST)

**Program(s)**

Hong Kong University of Science and Technology

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mathematics

**UCEAP Course Number**

121

**UCEAP Course Suffix****UCEAP Official Title**

PROBABILITY

**UCEAP Transcript Title**

PROBABILITY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

**Course Description**

Undergraduate level course in probability. Topics include Sample spaces, conditional probability, random variables, independence, discrete and continuous distributions, expectation, correlation, moment generating function, distributions of function of random variables, law of large numbers and limit theorems. Text: Sheldon Ross, A FIRST COURSE IN PROBABILITY.

**Language(s) of Instruction**

English

**Host Institution Course Number**

MATH2421

**Host Institution Course Title**

PROBABILITY

**Host Institution Course Details****Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Mathematics

**Course Last Reviewed**

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