

COURSE DETAIL

INTRODUCTION TO PROBABILITY THEORY

Country

Korea, South

Host Institution

Korea University

Program(s)

Korea University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

111

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO PROBABILITY THEORY

UCEAP Transcript Title

PROBABILITY THEORY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course provides a foundation for statistical and probabilistic concepts based on mathematical tools. It explores how to apply statistical concepts to solve real-world problems. Topics include axioms of probability, random variables, the most important discrete and continuous probability distributions, expectation, moment generating functions, conditional probability and conditional expectations, multivariate distributions, some limit theorems.

Language(s) of Instruction

English

Host Institution Course Number

STAT221

Host Institution Course Title

INTRODUCTION TO PROBABILITY THEORY

Host Institution Course Details

<http://infodepot.korea.ac.kr/lecture1/lecsubjectPlanView.jsp?year=2023&term=1R&...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Statistics

Course Last Reviewed

2022-2023

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