COURSE DETAIL

PROBABILITY THEORY
Country Korea, South
Host Institution Yonsei University
Program(s) Yonsei University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Statistics Mathematics
UCEAP Course Number 108
UCEAP Course Suffix
UCEAP Official Title PROBABILITY THEORY
UCEAP Transcript Title PROBABILITY THEORY
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course provides an introductory overview of probability theory, presented in a mathematically rigorous manner. Starting from the definitions of events, random variables, independence, and expectation, we also cover some basic applications such as weak convergence, the law of large numbers, characteristic functions, the central limit theorem, etc.

Prerequisites: Elementary level of calculus (required), analysis (required), and linear algebra (optional).

Language(s) of Instruction
Korean

Host Institution Course Number
MAT3111

Host Institution Course Title
PROBABILITY THEORY

Host Institution Course Details
https://portal.yonsei.ac.kr/

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2025-2026

Print