COURSE DETAIL

PROBABILITY

Country
France

Host Institution
University of Bordeaux

Program(s)
University of Bordeaux

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Statistics Mathematics

UCEAP Course Number
104

UCEAP Course Suffix

UCEAP Official Title
PROBABILITY

UCEAP Transcript Title
PROBABILITY

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course introduces the mathematical theory of probability, starting with the definition of probability spaces to the fundamental limit theorems, namely the law of large numbers and the central limit theorem. The following concepts are covered: measurement theory, probability spaces; conditional probability and independence; random variables, discrete random variables; density random variables; discrete random vectors; density random vectors; notions of convergence for sequences of random variables; limit theorems; Gaussian vectors.

Language(s) of Instruction
French

Host Institution Course Number
4TMQ601U

Host Institution Course Title
PROBABILITÉS

Host Institution Course Details

Host Institution Campus
UNIVERSITY OF BORDEAUX

Host Institution Faculty
SCIENCES AND TECHNOLOGIES

Host Institution Degree

Host Institution Department
MATHEMATICS

Course Last Reviewed
2024-2025

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