## **COURSE DETAIL**

## PROBABILITY

Country

Spain

**Host Institution** University of Barcelona

**Program(s)** University of Barcelona

UCEAP Course Level Upper Division

UCEAP Subject Area(s) Mathematics

**UCEAP Course Number** 159

**UCEAP Course Suffix** 

UCEAP Official Title PROBABILITY

UCEAP Transcript Title PROBABILITY

**UCEAP Quarter Units** 5.00

**UCEAP Semester Units** 3.30

## **Course Description**

This course provides an introduction to probability theory aimed at thirdyear mathematics majors. Topics include: probability space; random variables: distribution, distribution functions, discrete random variables, moments of discrete random variables; random vectors; sequences of random variables; law of large numbers and the central limit theorem. Recommended prerequisites: introductory differential calculus, introductory integral calculus, multivariable differential calculus, multivariable integral calculus.

Language(s) of Instruction Catalan

Host Institution Course Number 360162

Host Institution Course Title PROBABILIDADES

Host Institution Campus Facultad de Matematicas e Informática, Campus Plaza Universidad

Host Institution Faculty

Host Institution Degree

**Host Institution Department** 

Matematicas e Informática

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