

## 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 third-year 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**

PROBABILITY

**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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