

# INTEGRATION ET APPLICATIONS - PROBABILITES



In brief

> **Ametys Code:** N5EN02

## Presentation

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### Objectives

The first objective of this UE is to complement the knowledge of the first year students in the area of probabilities, with the study of continuous random variables and Gaussian vectors and the definition of convergence for a sequence of random variables. This knowledge will be required for other courses such as statistics, signal processing and data analysis. The second objective of this UE is to introduce measure theory with a particular focus on the Fourier transform and the theory of distributions, which will be used in course devoted to signal processing and telecommunications.