

Course Title: Signals Theory	Number of Units: 1
SSD : ING-INF/03	CFU: 6
Course aims: This course aims to provide methodological competencies regarding basic probability and random variables, deterministic and random signals in the time and frequency domain, and their processing through linear systems.	
Course Description: Basic concepts about probability and random variables. Characterization of continuous-time and discrete-time random signals in the time domain and in the frequency-domain. Representation of periodic signals. Representation of continuous-time and discrete-time signals in the frequency domain. Filtering in the time-domain and in the frequency domain. Digital processing of signals: basic concepts and implementation issues.	
Assumed Background: Undergraduated level	
Assessment methods: Oral examination	