

## SYLLABUS

Degree: **Sustainable Building Engineering**

Class: **PRINCIPLES OF ENVIRONMENTAL ENGINEERING**

Professor: **Agostina Chiavola**

Purpose of the Course is to provide the students with the knowledge of the main physical, chemical and biological processes used in the field of Environmental Engineering, with particular concern to the fundamentals of chemical and biochemical kinetics, ideal reactors, characterization parameters of pollution phenomena in the different environments, mass balances to natural and constructed systems, main unit operations.

The course consists of theoretical classes as well as practical classes where the development of numerical exercises allows the students to better understand and apply the acquired principles of theoretical knowledge.