

**Course offered for the PhD program
in Civil, Chemical and Environmental Engineering
a.y. 2024/2025 (XL cycle)**

(course is open for participation of students from other PhD cycles or programs)

1. Title

Statistics applied to Environmental Engineering

2. Course Objectives and Description

The course aims at providing a review of the basic concept of probability, statistical approaches and methods in the field of environmental engineering. A specific focus is dedicated to the methodologies that are crucial for the analysis of hydrologic data and extreme events.

3. Course Organization

The course is based on frontal lessons.

4. Teacher

Ilaria Gnecco.

5. Duration and credits

The course has a total duration of 10 hours for a total of 2 credits.

6. Activation mode and teaching period

The course will be activated if a minimum number of 3 students. The course will be held during the period June-July 2025. The exact dates of the lessons will be confirmed by April 2025.

7. Deadline for registration

Registration to the course must be made before March 31st, 2025. Students are requested to inform the teacher by e-mail (ilaria.gnecco@unige.it) about their registration.

8. Final exam

At the end of the course the students will be asked to present a report on a specific case-study application.