

PhD program in Civil, Chemical and Environmental Engineering

Curriculum in Fluid Dynamics and Environmental Engineering

Academic year 2021/2022

1. Title of the course

Statistics applied to Environmental Engineering

2. Contents

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. Structure of the course

The course (10 hours) will consist of 4 classroom lesson.

4. Lecturers

Ilaria Gnecco.

5. Duration and credits

10 hours – 2 credits.

6. Period and registration procedure

The course will be held during the period June-July 2022. The exact dates of the lessons will be confirmed by April 2022.

7. Deadline for registration

Registration to the course must be made before March 31st, 2022. 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.