

PhD program in Civil, Chemical and Environmental Engineering

Curriculum in Fluid Dynamics and Environmental Engineering

Academic year 2021/2022

1. Title of the course

Modelling camp in fluid mechanics

2. Contents

The mentors will present different problems involving fluid flow that can be modelled from the mathematical point of view. The students will split into groups of approximately 6 people and will work for a week on one of the problems of their choice. At the end of the modelling week, each group will present the results obtained and, within two weeks after the end of the course, will submit a written report on the work carried out.

3. Structure of the course

Group work supervised by the mentors.

4. Lecturers

Andrea Mazzino, Jan Pralits and Rodolfo Repetto.

5. Duration and credits

40 hours and 4 CFU.

6. Period and registration procedure

July, 2022.

7. Deadline for registration

June 1th, 2022.

8. Final exam

At the end of the course the students will be asked to give a presentation and to write a written report on their work.