

**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

Electrochemical techniques: principles and applications

2. Course Description

The goal of the course is to illustrate the main electrochemical techniques in continuous current that can be applied to the study of several electrochemical processes in the fields of energy storage and conversion (fuel cells, batteries), environmental remediation and materials.

3. Course Organization

The course consists of classroom lessons (6 hours) and laboratory exercises (9 hours). The course will be made in 2 days, each including 2 hours of theory and 3 hours of laboratory.

4. Teacher

The course is held Prof. Davide Clematis and Marco Panizza

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 is reached. It will be held in the months of January – February 2025. To register contact the teacher: email: davide.clematis@unige.it or marco.panizza@unige.it.

7. Deadline for registration

Register by December 2024

8. Final exam

Participants must write a report on laboratory experiences and make a discussion of these reports.