

**Course offered for the PhD program
in Civil, Chemical and Environmental Engineering
Curriculum in Chemical, Material and Process Engineering – a.a. 2019/2020**

(possibility of participation for students in other PhD cycles or other PhD courses)

1. Title

Climate change and EU-ETS directive

2. Course Description

The aim of the course is to give a general overview about climate change and Greenhouse gases emissions (GHG). The application of the Kyoto Protocol mechanism and the EU Emission Trading System (2003/87/CE) will be discussed. Calculation and monitoring methodologies of the greenhouse gases for production plants under the CE directive application will be analysed. Moreover an annual communication of a GHG emissions according to EU-ETS Directive (EU-ETS will be introduced as case study, with a particular focus on the independent verification, the accreditation/certification systems and the related carbon credits market.

3. Course Organization

The course is based on frontal lessons.

4. Teacher

Prof. Michela Gallo

5. Duration and credits

The course lasts 15 hours of frontal lessons, (3 credits).

6. Activation mode and teaching period

The course will start in case of 2 registrations at least and it be held during the II semester, between april-may 2020

7. Deadline for registration

The students have to inform the teacher about the registration by 28th of february 2020, sending an e-mail to: michela.gallo@unige.it.

8. Final exam

The students have to sit a written text about all the topics discussed in the course.