

# PhD in Energy and Sustainable Development Cycle XXXVI

## Structured educational offer program Coordinator: prof. Franco Cotana

The didactic activities offered by the course will be agreed by the student with the reference tutor taking into account the research topic related to each personalized curriculum.

### **Lecturer: Prof. Adriano Ciani**

N. hours: 4 - 2 ECTS

1- Origin and evolution of the Sustainable Development Model;

N. hours: 4 - 2 ECTS

2- The Sustainable Development Goals of Agenda 2030 towards the Green New Deal;

### **Lecturer: Dr. Gianluca Cavalaglio**

Green chemistry applications for bioenergy and bioproducts plants

N. hours: 16 - 8 ECTS

### **Lecturer: Dr. Luca Fondacci**

N. hours: 12 - 6 ECTS

Sustainable urban and industrial regeneration

### **Lecturer: Dr. Valentina Coccia**

Evaluation and measurement of odor emissions into the atmosphere by means of dynamic olfactometry with a panel of human receptors

N. hours: 16 - 8 ECTS

### **Lecturer: prof. Andrea Borgia**

N. hours: 12 - 3 ECTS

Polyphasic, polycomponent, thermal modeling of flow in porous and fractured media with application to geothermal fields

**Lecturer: Dr. Alessandro Petrozzi**

Renewable energy plant: case study and regulation

N. hours: 12 - 6 ECTS

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**INTERNATIONAL STRUCTURED TEACHING**

Workshops will be organized with foreign members of our PhD Board to be defined according to their availability.

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**OTHER EDUCATIONAL OFFERS**

The PhD Course offers doctoral students the opportunity to participate in foreign language courses held at the University Linguistic Center (CLA).

The Course offers PhD students the opportunity to participate in computer labs already offered in other University degree courses.

The PhD Program offers the possibility to participate in courses, which provide for the recognition of ECTS credits on the basis of the number of hours provided, on the research management, the knowledge of research systems and funding systems.

The PhD Program offers the opportunity to participate in courses, which provide for the recognition of ECTS credits based on the number of hours provided, on the enhancement of research and intellectual property.

In the case of specific interest in these activities, the methods must be agreed with the reference tutor.