



Università
Ca' Foscari
Venezia



PhD in Science and Management of Climate Change

Sixth Edition / 2023-2024

PhD in Science and Management of Climate Change

Sixth Edition

A FOUR-YEAR PROGRAMME

Didactic activities: 360 hours

Labs: 60 hours

Total ECTS/CFU: 84

Four year scholarship

DIDACTIC ACTIVITIES

The program is articulated in 6 common courses - FOUNDATIONS - offered during the first term. In the second term students will choose a specialization in CLIMATE ECONOMICS AND FINANCE or CLIMATE MODELLING AND IMPACT ASSESSMENT.

FOUNDATIONS

1. Mathematical Modelling and Programming
2. Statistics
3. Programming & Machine Learning
4. Introduction to Climate Dynamics
5. Environmental and Climate Economics
6. Climate of the Past

CLIMATE ECONOMICS AND FINANCE

1. Decision Theory and Multi-criteria Analysis
2. CGE and Integrated Assessment Modelling of Climate Change Impacts and Policies
3. Applied Environmental Economics and Policy Evaluation
4. Domestic and International Climate Policies
5. Climate Finance
6. Energy Systems & Technologies

CLIMATE MODELLING AND IMPACT ASSESSMENT

1. Chemodynamics, Climate Change and Environmental Quality
2. Climate Modelling and Monitoring
3. Risk Assessment and Decision Support System for Environmental Impacts of Climate Change
4. Adaptive Management of Natural Resources and Agricultural Systems
5. Climate Damage Modelling and Assessment
6. Energy Systems & Technologies labs

LABS

1. Environmental Diplomacy
2. Data, Tools and Methods for Earth Sciences

TEACHING COMMITTEE

Carlo Barbante, Stefano Battiston, Francesco Bosello, Carlo Carraro, Luca Cosmo, Andrea Critto, Shouro Dasgupta, Enrica De Cian, Silvio Giove, Antonio Marcomini, Jaroslav Mysiak, Wilmer Pasut, Ilaria Prosdociimi, Francesco Vona, Davide Zanchettin.

COURSE COORDINATOR and DEPUTY COORDINATOR

Prof.ssa Enrica De Cian, prof. Wilmer Pasut

COURSE PERIOD

From September 2023

LANGUAGE

English

ADMISSION REQUIREMENTS SECOND LEVEL

To enroll in the PhD programme, candidates must be in possession of at least a second cycle, specialization or pre-reform (Italian Ministerial Decree no. 509/99) degree, or equivalent foreign university qualifications, following approval from the Teachers' Board. English language proficiency level of at least B2.

COURSE LOCATION

Ca' Foscari Challenge School – Venezia Marghera (VEGA Parco Scientifico Tecnologico di Venezia - Edificio Porta dell'Innovazione) / San Giobbe Campus (Venezia)/via Torino Campus Scientifico

STUDY SUPPORT

Study grants are available to partially cover the enrolment fees, please see the master's website. Loans are available from the University's partner banks. Full and partial scholarships are also available. For more information: www.unive.it/pag/8560.

www.unive.it/pag/7155
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