



Università
Ca' Foscari
Venezia



4-YEAR PHD'S PROGRAMME
SCIENCE & MGT OF CLIMATE CHANGE



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Science and Management of Climate Change

PhD
2024
2028

- » The PhD in Science and Management of Climate Change is aimed at preparing researchers capable of navigating and connecting the challenging, complex and multi-faceted dimensions of climate change



Visit the website



4-YEAR PHD'S PROGRAMME

FIRST YEAR STRUCTURE

PhD students follow 6 mandatory courses during the 1st term, one of the two streams during the 2nd term, two of the optional courses and any lab they wish.

1ST TERM

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 (optional)

2ND TERM / Stream 1

CLIMATE ECONOMICS AND FINANCE

1. CGE and IAM of Climate Change Impacts & Policies
2. Applied Environmental Economics and Policy Evaluation
3. Domestic and International Climate Policies
4. Climate Finance

2ND TERM / Stream 2

CLIMATE MODELING AND IMPACT ASSESSMENT

1. Chemodynamics, Climate Change, Environmental Quality
2. Climate Modelling and Monitoring
3. Risk Assessment and DSS for Environmental Impacts of Climate Change
4. Climate Damage Modelling and Assessment

TWO COURSES OF YOUR CHOICE:

1. Energy systems
2. Adaptive Management of Natural Resources and Agricultural Systems
3. Decision Theory and Multi-criteria Analysis

OPTIONAL LABS:

1. Topics in Science and Management of Climate Change
2. Data, Tools and Methods for Earth Sciences - Introduction
3. Data, Tools and Methods for Earth Sciences - Practicals

PROGRAMME COORDINATOR

Prof.ssa Enrica De Cian

DEPUTY COORDINATOR

Prof. Francesco Bosello

TEACHING COMMITTEE

Carlo Barbante, Stefano Battiston, Francesco Bosello, Carlo Carraro, Luca Cosmo, Andrea Critto, Enrica De Cian, Silvio Giove, Paolo Girardi, Carlo Giupponi, Antonio Marcomini, Jaroslav Mysiak, Wilmer Pasut, Ilaria Prosdocimi, Francesco Vona, Davide Zanchettin

A FOUR-YEAR PHD'S PROGRAMME

ACTIVITIES

Didactic activities: 360 hours

Labs: 45 hours.

Total ECTS/CFU: 66

COURSE PERIOD

From September 2024 till June 2028

LANGUAGE

English

COURSE LOCATION

- Ca' Foscari Challenge School at VEGA Parco Scientifico Tecnologico di Venezia, Edificio Porta dell'Innovazione, Venezia Marghera

- San Giobbe Campus, Fondamenta San Giobbe, Venezia

- Scientific Campus, via Torino 155, Mestre

ADMISSION

At least a second cycle specialization or pre-reform degree (Italian Ministerial Decree no. 509/99) or equivalent foreign university qualifications, following approval from the Teachers' Board. English language proficiency level of at least B2.

APPLICATION

The call for the 40th cycle will be published in April 2024.

Open day: April 22nd, 2024

STUDY SUPPORT

The 40th cycle will have 10, 4-year, fully-funded scholarships. Non Italian students will need to pay for their health insurance.

MORE INFORMATION

<https://www.unive.it/web/en/166/programme/phd-climate-change@unive.it>

FOLLOWING YEARS STRUCTURE

SECOND YEAR

Students begin their research work, may serve as teaching assistants, and have to follow at least twenty seminars. Students can also follow more courses offered by other PhD programmes at Ca' Foscari and can begin their mobility to a foreign research institute or university for at least three months and up to eighteen.

THIRD YEAR

Students continue their research work, may serve as teaching assistants, and have to follow at least twenty seminars. Students are encouraged to begin their mobility to a foreign research institute or university for at least three months.

FOURTH YEAR

Students will complete their thesis to present their work, first in a preliminary presentation and then in a pre-defence.