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Ca’ Foscari University of Venice
Department of Environmental Sciences, Informatics and Statistics
STUDY PLAN 2021-2022

ONE-YEAR PROGRAM INTEGRATED WITH THE PHD IN SCIENCE AND MANAGEMENT OF CLIMATE CHANGE

1ST TERM (36 CFU)
• FOUNDATIONS

2ND TERM (42 CFU)
• CLIMATE ECONOMICS AND FINANCE
• CLIMATE MODELLING AND IMPACT ASSESSMENT

INTERNSHIP (250 HOURS, 10 CFU)
1. FOUNDATIONS

1. MATHEMATICS
2. STATISTICS
3. ECONOMETRICS AND MACHINE LEARNING
4. CLIMATE DYNAMICS
5. ENVIRONMENTAL AND CLIMATE CHANGE ECONOMICS
6. CLIMATE OF THE PAST

LAB: INTRODUCTION TO R
2. CLIMATE ECONOMICS AND FINANCE

1. DECISION THEORY AND MULTI-CRITERIA ANALYSIS
2. CGE AND INTEGRATED ASSESSMENT MODELLING
3. APPLIED ENVIRONMENTAL ECONOMICS AND POLICY EVALUATION
4. DOMESTIC AND INTERNATIONAL CLIMATE POLICIES
5. CLIMATE FINANCE
6. ENERGY SYSTEMS & TECHNOLOGIES
7. DATA, TOOLS, AND METHODS FOR EARTH SCIENCE
3. 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 (WITH LAB)
4. ADAPTIVE MANAGEMENT OF NATURAL RESOURCES AND AGRICULTURAL SYSTEMS
5. CLIMATE DAMAGE MODELLING AND ASSESSMENT
6. ENERGY SYSTEMS & TECHNOLOGIES
7. DATA, TOOLS, AND METHODS FOR EARTH SCIENCE
## Internship opportunities

### Local

- ASviS
- Comune di Padova
- Comune di Milano
- Cluster-ER Greentech
- Fondazione Innoazione Urbana
- Fondazione Moressa
- Carbonsink
- Terna
- SCS Consulting

### International

- Climate Service Center Germany
- Climate Policy Initiative
- CMCC
- Mar Fund
- Mundus Maris
- Climalia

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The master in short

✓ **Published call:**  EARLY APRIL, APPLY UNTIL JULY 14TH
✓ **Lectures:**  SEPTEMBER 2021 – MAY 2022
✓ **Requirements:**  SECOND CYCLE DEGREE, ENGLISH B2 LEVEL
✓ **Study support:**  3 WAIVERS FOR THE 2ND INSTALMENT
✓ **Selection:**  CV + QUALIFICATIONS + INTERVIEW
✓ **Fees:**  6,000 EUROS, 2 INSTALMENTS
For information
✓ www.unive.it/climate
✓ phd-climate-change@unive.it
✓ postlauream@unive.it

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