



Università
Ca' Foscari
Venezia



Master of Research in Science and Management of Climate Change. Sixth Edition 2023-2024

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STUDY PLAN 2022-2023

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

1ST TERM (36 CFU)

- FOUNDATIONS

2ND TERM (36 CFU)

- CLIMATE ECONOMICS AND FINANCE
- CLIMATE MODELLING AND IMPACT ASSESSMENT

INTERNSHIP (250 HOURS, 10 CFU)

1. FOUNDATIONS

1. MATHEMATICAL MODELLING AND PROGRAMMING
2. STATISTICS
3. PROGRAMMING AND MACHINE LEARNING
4. INTRODUCTION TO CLIMATE DYNAMICS
5. ENVIRONMENTAL AND CLIMATE ECONOMICS
6. CLIMATE OF THE PAST

2. 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

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
4. ADAPTIVE MANAGEMENT OF NATURAL RESOURCES AND AGRICULTURAL SYSTEMS
5. CLIMATE DAMAGE MODELLING AND ASSESSMENT
6. ENERGY SYSTEMS & TECHNOLOGIES

....plus 60 hours of labs

1. DATA TOOLS AND METHODS FOR EARTH SCIENCES - THEORY
2. DATA TOOLS AND METHODS FOR EARTH SCIENCES – HANDS ON
3. ENVIRONMENTAL DIPLOMACY

Internship opportunities

Local

ASVIS
CARBONSINK
CLUSTER-ER GREENTECH
COMUNE DI PADOVA
COMUNE DI MILANO
EAMBIENTE
ÈNOSTRA
FONDAZIONE MORESSA
SUSTAINABLE CA' FOSCARI
TERNA
SOUTHPOLE

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International

CLIMALIA
CLIMATE SERVICE CENTER GERMANY
CLIMATE POLICY INITIATIVE
CMCC
MAR FUND
MUNDUS MARIS
PWC
SOUTH POLE INTERNATIONAL
DELOITTE

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The master in short

Published call: LATE MAY, APPLY UNTIL JULY

Lectures: SEPTEMBER 2023 – MAY 2024

Requirements: SECOND CYCLE DEGREE, ENGLISH B2 LEVEL

Available seats: 15

Selection: CV + QUALIFICATIONS + INTERVIEW

Fees: 6,000 EUROS, 2 INSTALMENTS

Study support: 1 FULL GRANT + 1 FULL GRANT CONDITIONAL
ON THE INTERNSHIP AT DELOITTE

Additional scholarship: FULL GRANT SUPPORTED BY
DELOITTE

For information

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