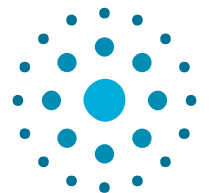


Master «Economie» speciality
**SOCIAL INTERACTIONS AND
ECONOMIC DYNAMICS**



UNIVERSITÉ **CÔTE D'AZUR**



Master «Economie» speciality SOCIAL INTERACTIONS AND ECONOMIC DYNAMICS

ACQUIRED SKILLS

- Processing large databases
- Designing and implementing economic experiments
- Analysing complex networks
- Scientific writing and oral presentation skills

Key features of the program

- Research-based training by faculty members with vast international experiences
- International program entirely taught in English
- Thorough training in quantitative methods
- Opportunity to pursue a PhD



PRESENTATION

The program 'Social Interactions and Economic Dynamics' is one of the two specialisations of the Master 'Economie' of Université Côte d'Azur. The aim of the program is to train future researchers in economics and social sciences, and will provide students an intensive training to economic modelling and statistical techniques. In addition to quantitative techniques, students will receive a training in behavioural and experimental economics, game theory, and financial markets, and will have the opportunity to pursue a PhD in one of these fields upon completing the program.

CONTENT*

1st year

Semester 1

Methodological prerequisites :

Introduction to Excel, VBA programming, R, Python

Quantitative techniques :

Econometrics of Quantitative Variables, Data Analysis

Experimental method

Economic modelling

Semester 2

Foundations :

Microeconomics, Macroeconomics, Methodology

Advanced quantitative methods :

Agent-based models, big data and machine learning, network analyses

Econometrics :

Panel data, Qualitative variables

Master 1 thesis (individual, supervised research project)

2nd year

Semester 3

Research methods :

Academic presentation and writing skills, participation in research seminars

Behavioural economics :

Behavioural microeconomics, Behavioural economics and public policy

Macro and financial economics :

Financial markets, Banking and corporate finance

Applied economics :

Industrial organisation, Economics of science and innovation, Digital economics, Economics and institutions

Semester 4

Game theory :

Advanced game theory, Networks, Behavioural game theory

Master 2 thesis (individual, supervised research project)

ADMISSION CRITERIA AND PREREQUISITES

A committee composed of the faculty members of the program will evaluate the applications. Applicants must have successfully completed (or expected to complete) undergraduate program in Economics, Applied Mathematics, Quantitative Social Sciences, Computer Sciences, and related fields. Applicants should also submit the score of TOEFL (internet based test) as a proof of their proficiency in English.

PHD PROGRAM AFTER THE MASTER OR FUTURE CAREERS

The main objective of the program is to train future researchers and university lecturers in economics and quantitative social sciences.

Upon completing the program, students will thus have the opportunity to pursue a PhD.

In addition to this academic path, students will also be able to apply for consultant positions to conduct technical studies in either public administrations, consulting firms, or international organisations.

RESEARCH LABORATORY

Groupe de Recherche en Droit, Economie et Gestion



DEVELOPED BY



ISEM - Campus Saint Jean D'Angely, 5 Rue du 22^{ème} BCA - 06357 Nice Cedex 4



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