

## AGRICULTURAL, ENVIRONMENTAL DEVELOPMENT

### ECONOMICS AND FOOD

co-accredited with the University of Montpellier (UM) and Montpellier.

This Master offers the possibility to pursue a research career (PhD studies).

Master of Science

## ECONOMICS AND MANAGEMENT OF THE AGRICULTURAL, FOOD AND RURAL DEVELOPMENT

2019/2020



### OBJECTIVE

This educational programme is preparing students to positions needing autonomy, individual enterprise capacities and knowledge in economic sciences. It is a selective Master programme based on research and high level educational standards. Focused on the transmission of fundamental theoretical and methodological knowledge, it values the use of advanced modelling and quantification techniques in current economic analysis, and the approaches of institutional economy, management sciences and economics sociology. This training enables the students to acquire extensive know-how in the fields of agri-food and natural resources management thanks to the specialization units offered. Prerequisite courses are organized in September.

### MASTER 2 PROGRAMME (60 ECTS)

The training begins with a session of common courses enabling students to acquire the general thematic knowledge and the necessary methodological and theoretical bases before starting the more operational courses provided in the optional courses. It ends with seminars and the redaction and presentation of a research report.

#### Course unit 1: Thematic courses

##### → Unit 1: Economics and agricultural, food and rural policies

**Objective:** to make a synthesis of the main economics aspects of the agricultural and agri-food area and its management by the public policies.

##### → Unit 2: Environment economics and policies

**Objective:** to enable students to get the basis of economic analysis of environmental and of natural resources management issues.

##### → Unit 3: Development economics and policies

**Objective:** to develop the theories of economic development in the framework of agri-food and rural development. This course draws a parallel between contemporary problematics and theories.

##### → Unit 4: Food systems

**Objective:** to provide the theoretical foundations, the concepts and necessary methods to the understanding and analysis of the food system and its dynamic, in France and in the world.

#### Course unit 2: Methodological courses

Each student has to choose 3 units:

##### → Unit 1: Applied econometrics

**Objective:** to introduce students to a stochastic approach of complex phenomenon and to the use and processing of real data. More particularly, the course aims at leading students to carry out, by themselves, an empirical economic work through an individual project.

##### → Unit 2: Modelling of the agricultural and environmental policies

**Objective:** to master the mathematical programming techniques and know how to use them to develop optimization models applied to the analysis of the agricultural economy issues.

### ORGANIZATION

#### → Master 2 (Baccalauréat +5 years)

Five units 36 ECTS

Research report and presentation 24 ECTS

This training programme is organized by the CIHEAM-IAMM, the UM and Montpellier SupAgro.

#### → Master of Science of the CIHEAM (Baccalauréat +6 years)

Master of Science Thesis 60 ECTS

### LANGUAGE OF THE COURSES

French

### ADMISSION

The minimal required level for admission is "Baccalauréat" + 4 years or other equivalent level giving access to post-graduate studies.

Tuition fees amount to 400 € per month (excluding registration fees, travel and living expenses). Applicants coming from a CIHEAM member country can have access to scholarships.

The selection of candidates is based on the evaluation of the application documents: <http://candidature.iamm.fr/>. The deadline for receiving applications by post is April 19<sup>th</sup> 2019.

### DIPLOMAS

Master 2 delivered by the UM and co-accredited with the CIHEAM-IAMM and Montpellier SupAgro

Master of Science of the CIHEAM

### SCHOLARSHIPS

It is possible for applicants coming from a CIHEAM member country to obtain scholarships covering living expenses and tuition fees. Requests have to be sent together with the application documents.



### → Unit 3: Qualitative and quantitative methods

**Objective:** to provide elements to economists who want to integrate a qualitative dimension in their future research work, through debates on field study matters.

### → Unit 4: Experimental and behavioural economics

**Objective:** to study the main themes of experimental economics focussing on social interactions. This course analyses the behaviour of economic agents in reference to the conceptual framework of the "game play theory".

### Course unit 3: Theoretical courses

#### → Unit 1: New institutional economy

**Objective:** to study the various trends of institutional economy (the "New institutional economy", the "Property Rights Theories", the "Evolutionary economy", etc.), and to link them to the various objectives, research positions, hypothesis and methods used in the analysis of institutions.

#### → Unit 2: Economic public calculation

**Objective:** to provide to students the basis of public policies and some notions on the "theory of incentives".

#### → Unit 3: Economical sociology and anthropology

**Objective:** to present the origins and construction elements of the political economy of the 20th century, from both a scientific and a political point of view. This course also studies the main evolutions in the European and Anglo Saxon bodies, in the framework of the "great sharing" between economy and sociology, and provides some examples of debates, especially the one of the "New economic sociology".

### Course unit 4: Specialization courses

Each student has to choose 3 units:

#### → Unit 1: Consumers, food and sustainability

**Objective:** to update knowledge on the debates about the sustainability of food systems, more specifically the questions of the contribution to the environment management and the social equity through a responsible consumption.

### → Unit 2: Coordination in the firms and agri-food chains

**Objective:** to present some of the important applications to the agricultural and agri-food sectors, to provide courses of institutional and industrial economy (theory of incitement).

### → Unit 3: Institutions, development and international negotiations

**Objective:** to develop the course in institutional economy, especially the issues related to rural development and public policies.

### → Unit 4: Public policies, firms and environment

**Objective:** to study the behaviour of the company towards the environment and its regulation through a basically microeconomic approach.

### → Unit 5: Natural resources management

**Objective:** to develop the concepts and methods for economic analysis of natural resources management, especially of sustainable resources.

### Course unit 5 : Research seminars

The students must choose 2 seminars out of the 4 that are proposed. These seminars deal with subjects related to researches from the 3 UMR (Mixed Research Units) and can be oriented and developed to meet students specific needs for the preparation of their research master thesis.

### Tutorials as guidelines to research process

**Objective:** to prepare the students to the work that needs to be done during their research thesis. This class will enable each student to familiarize with the basic techniques related to a research work.

### Research report and presentation

The research report is the result of the student's personal work. Each student is supervised by a professor or a researcher involved in this Master. The main objective is to indicate the feasibility of a thesis project, insisting on the methods and tools of the selected discipline or disciplines in case of a multidisciplinary approach. This work will be presented in front of a jury composed of the various disciplines part of the Master.

## MASTER OF SCIENCE (60 ECTS)

### Master of Science of CIHEAM thesis

Preparation and defence.

#### CIHEAM-IAMM Scientific coordinator:

Myriam KESSARI

Phone: (33) (0)4 67.04.60.36

Email: [kessari@iamm.fr](mailto:kessari@iamm.fr)

