

# APPLIED AGRICULTURAL SCIENCES TO SPECIALIZED CROPS



**LEVEL:** MASTER 1

**PERIOD:** SEMESTER 2

**LANGUAGE:** EN

**ECTS:** 3

**TEACHER/COORDINATOR:** JÉRÔME MUCHEMBLED – ALI SIAH



## 1-Main objectives

- › Understand the modes of action of biocontrol products.
- › Integration of biocontrol products in cropping systems and agronomic advice.
- › Know the organization and different actors of biocontrol area.

## 2-Skills developed

- › Identify different categories of biocontrol and understand the sector
- › Identify available biocontrol products for plant protection and crop production (arable crops and specialized crops)
- › Understand how a biocontrol product operates in the environment

## 3-General content

- › Biocontrol area and the current context of crop protection in relationship with sustainable agriculture and agroecology.
- › Description of the different categories of biocontrol products (macro-organisms, micro-organisms, semiochemicals and natural substances).
- › The biocontrol sector (Research & Development process, companies, marketing process, regulation, field use, etc).

## 4- Evaluation

- › Individual exam on the different course content.
- › Synthesis report and oral defense on a subject not developed during the courses.