

## Course Content

Adaptation of perennial fruit crops to climate change.

Challeng-Based Learning approach.

Intended Learning Outcome (ILO)

After completing the course, the participants should be able to:

### Knowledge

- Identify challenges raised by climate change and its impact on perennial fruit crops in a specific context and from an interdisciplinary point of view.

Skills

### Research skills:

- Conduct a literature review on a specific scientific topic.
- Apply academic knowledge to meet the sector's practical needs
- Use of Artificial intelligence in research.

### Soft skills:

- Ability to work collaboratively in an international team environment
- Be able to convey ideas clearly in written and oral forms
- Creativity and practical problem-solving

### Hard skills:

- Progress in English

Course Schedule

## Online activities. May 2026:

- Presentation of the Summer School, the Challenge-Based Learning (CBL) methodology and the evaluation criteria grid.
- A set of 10 hours of lectures related to adaptation of perennial fruit crops to climate change.
- CBL Engage phase:
  - group making and identification of sustainability-related challenges followed by autonomous work.
  - How to formulate effective research questions.
  - Professional experts carousel: meet specialists from industry.
- CBL Investigate phase:
  - Development of guiding questions.
  - AI tools and research work.
  - Research activities (literature review, interviews, etc.)
  - Conduct a bibliographic synthesis.

## Onsite activities. June 22-26 2026. Institut Agro Montpellier.

### Monday June 22:

- Presentation of the project and networks.
- Intercultural icebreaker activity.
- Visit with experts on the Institut Agro campus.
- Workshop on solution prototyping formats.
- Workshop on the use of the serious game (currently under development).

### Tuesday June 23.

- Field visit
- Identify a solution concept.

#### **Wednesday June 24**

- Roundtable composed of scientific experts, field professionals, and other stakeholders (local authorities, associations, etc.).
- Group work on the solution.

#### **Thursday, June 25**

- Group work on the solution.

#### **Friday, June 26**

- Preparation of solution presentations.
- Presentation of solutions to an audience of scientific experts, field professionals, and other stakeholders (local authorities, associations, etc.).

### **Course Language**

English

### **Course Format / Teaching Methods**

- Synchronous and asynchronous online lectures and workshops.
- Online and onsite tutored group working sessions.
- Field visits
- Free format presentations (podcasts, role playing, video making).

### **Credits**

ECTS Credits and Workload Overview

**Number of Credits [ECTS]** 3

**TOTAL Workload [hours]** 75 estimated

**Student's own work [hours]** 30 estimated

**Contact classes [hours]** 45

**Exam [hours]** 0

### **Type of Assessment and Assessment Criteria**

Attendance and engaged participation during the lectures, practices, seminar and excursions; Quizz about online activities; Assessment of the quality of the deliverables; Quality of the final presentations of the solutions.

### **Cultural Activities / Social Program**

Intercultural activity; Visits; Gala dinner

### **Tuition Fees**

No tuition fee

### **Additional Costs**

Costs covered: lunches, coffee breaks, 2 dinners, local transports and transports for field trip.  
Not covered costs: travel expenses, housing, breakfast and dinners.

Students will be able to apply for an Erasmus + scholarship in order to cover those expenses. Erasmus + scholarship amounts: 309 € for travel expenses 553 € for accommodation and food.

#### Accommodation

Accommodation will be booked and organized by the organizer and paid by students with the Erasmus + scholarship.

#### Health Insurance

Participants are responsible for an adequate health insurance during their participation in the program. Participants should possess an EU health insurance card.

#### Visa

If support letters are needed, contact the administrative contact person below.