

Course Content

Adaptation of perennial fruit crops to climate change.

Challenge-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.