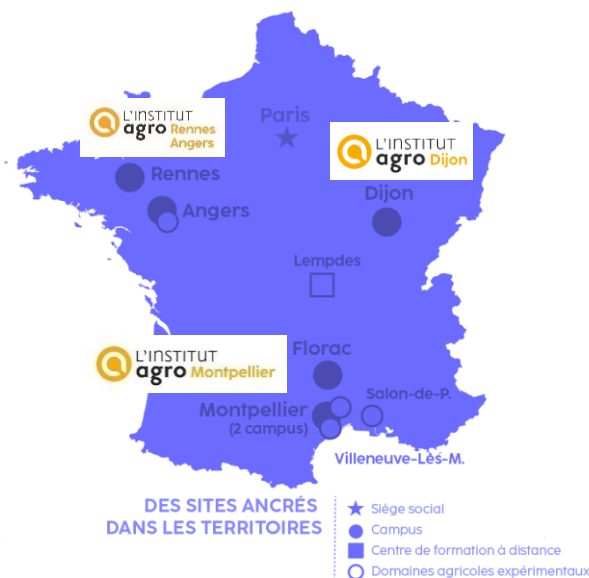




L'INSTITUT
agro Montpellier

FRANCE

EXCHANGE PROGRAMME STUDIES AND INTERNSHIP



BSc to PhD

Research

International Cooperation

in

Agricultural Sciences

Biological Sciences

Agri-Food Science

Environment

Rural Development

Institut Agro Montpellier - France

ACADEMIC EXCHANGE 2022-2023

GENERAL INFORMATION AND PROCEDURES

English: <https://en.institut-agro-montpellier.fr/admissions/come-academic-exchange-programme>

French: <https://www.institut-agro-montpellier.fr/international/venir-etudier-montpellier-supagro/venir-en-echange-academique>

Institut Agro Montpellier, a Prestigious School

Since 2020, Institut Agro Montpellier (former Montpellier SupAgro F MONTPEL10) is part of l'Institut Agro (F PARIS487), a leading French higher education institution focused on the convergence of **Food, Agriculture and the Environment**. Its **mission** is to contribute to **education, research and innovation** and promote international **collaborations** and **intercultural dialog** to foster **agroecological** and **digital transitions** of both production and food systems under climate change. French National Institute dedicated to further education, research, international scientific and technical cooperation and sustainable development *in*

Institut Agro Montpellier offers courses in **Agriculture, Agri-Food Science, Environment and Rural Management** and is specifically dedicated to innovation in Mediterranean, tropical and sub-tropical issues.



Students benefit from **an outstanding scientific environment**:

- **MUSE, Montpellier University of Excellence:**

Institut Agro Montpellier is a member of MUSE, one of the world's most innovative scientific communities in three key fields: Agriculture, Environment and Health.

- **Agropolis International:**

Institut Agro Montpellier is a member of this Montpellier agronomic cluster, with 112 research units and 2,200 researchers in agriculture, food, environment and biodiversity.

- **The Consultative Group on International Agricultural Research (CGIAR) Headquarters** setting in Montpellier fortifies the leadership position of Montpellier's agronomic research at a worldwide level.

- **1,700** students (**29%** from foreign countries)
- **88** academic staff and **345** external lecturers

Contact for exchange programs

Address

Latin America and Asia

Ms. Claudia Medina

claudia.medina@supagro.fr - +33 (0)4 99 61 27 29

European Union and North America

Ms. Santi Mallet

santi.mallet@supagro.fr - +33 (0)4 99 61 23 27

Exchange programs

Ms. Dominique Louette

dominique.louette@supagro.fr - +33 (0)4 99 61 26 35

Institut Agro Montpellier
Service des Relations Internationales
et Langues (SRIL)
2 place Viala - Bâtiment 11
34 060 Montpellier cedex 2
France

More information on the websites:

<https://en.institut-agro-montpellier.fr/> (English)

<https://www.institut-agro-montpellier.fr/> (French)

Campuses

Most of the courses take place on the campus of La Gaillarde or La Valette in the city of **Montpellier**, few on the campus of the city of **Florac** and 3 of them take place, according to the periods, in different cities of France.



Academic Calendar

		Jun	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
AUTUMN SEMESTER															
French Summer Course	paying														
French Intensive Course	2 weeks in Sept or Oct - 1 ECTS														
French weekly Course	3 h /day - 2 ECTS														
English, German, Spanish	1,5 h /week - 2 ECTS														
Scientific courses (Tracks)	Depends on the Track: Sept to Dec, Jan, Feb or Mar														
	Full time – 26 to 30 ECTS														
SPRING SEMESTER															
French Intensive Course	2 weeks - 1 ECTS														
French weekly Course	3 hours /day - 1 ECTS														
English, German, Spanish	1,5 hours /week - 1 ECTS														
Scientific courses (Tracks)	Depends on the Track: Jan or Feb to Apr or May														
	Full time – 21 to 30 ECTS														
Junior Research Lab	2 months - 14 ECTS														
FLOW spring course															
INTERSHIP															
Internship	2-3 months – 7 ECTS 5-6 months – 30 ECTS														
EXAMS and RESIT															
Exams	During and at the end of each course of a Track														
Resit exams	Can be arranged online in some cases														

- Each Track has its specific calendar. More information on Track Offer Charts from page 6.
- Internship can start at any time of the year and must last less than 6 months

Course Offers, Internship and Junior Research Lab (JRL and JRL-AT) for Exchange Students

From page 6, find information about the course offers in **French and English** for students in exchange, for **Autumn semester, Spring semester and Full year mobility**.

From page 14, find information about the JRL and Internship.

Or consult:

<https://en.institut-agro-montpellier.fr/admissions/come-academic-exchange-programme/> (English)

<https://www.institut-agro-montpellier.fr/international/venir-etudier-montpellier-supagro/mobilite-academique-stage/venir-en-echange/> (French)

Teaching Language

French or English according to the selected courses. For more information, see course offers attached.

EU ECTS credits system : 1 Semester = 30 ECTS

Exchange students can validate all or part of these credits. The number of ECTS credits for each course is indicated on the Course Offers documents and on the application forms.

Language Courses

<https://www.institut-agro-montpellier.fr/international/venir-etudier-montpellier-supagro/langues> (French)

<https://en.institut-agro-montpellier.fr/programs/languages> (English)

• Elective French Summer Courses

Please note, fees are due!

We offer a French Summer Programs in July and/or August:

• French Language Courses

Free of charge

Intensive French language courses, 2 weeks before the beginning of each semester, are followed by regular courses, the whole semester or year.

• Other Language Courses

Free of charge

Students can also choose to attend **free of charge** English, Spanish or German courses, subject to available places.



Requirements for academic exchange

• Bilateral Exchange Programs

Students are admitted through bilateral or multilateral exchange programs such as Erasmus+, Brafagri, Brafitec, Arfagri, Mexfitec and bilateral MoU.

• Academic Level

Depending on the chosen tracks, students should show official evidence of completion of a minimum of 4 to 6 semesters of graduate studies before the beginning of their academic exchange. Please consult the specific information on each Track. The academic level and the prerequisites required will be taken into account in the analysis of the application files.

• Language Level

Students must have a **B1/B2 level in French or in English**, depending on the selected courses (contact us). No language proficiency is required for an internship or for the Junior Research Lab.



Application for academic exchange or Junior Research Lab (JRL)

Students should be **nominated by their home university**. Each nominated student will receive an email with a login/password for the completion of the **application form ONLINE**: ID-photo, ID-document, Transcript of records of higher education, Language certificates in French and/or English, Cover letter and Application form.

Deadline for application	Full Year or Autumn Semester	April 30th
	Spring Semester	October 30th

Application for an Internship at Institut Agro Montpellier

Find specific information in the last session of this document about the **Joint Research Units (UMR)** where an internship can be done under certain conditions.

Exchange related information

Health Insurance

Students who do not have an European Health Insurance Card will benefit from the French health insurance cover for the duration of their stay.

<https://en.institut-agro-montpellier.fr/getting-settled/prepare-your-arrival-montpellier-supagro> (English)

<https://www.institut-agro-montpellier.fr/international/venir-etudier-montpellier-supagro/de-la-preparation-de-votre-arrivee-votre-accueil-1> (French)

Liability Insurance

A liability insurance is compulsory and can be taken at their arrival in France.

Visa for non-European Students

Visa VLSTS-Visa D allow student to benefit from French health insurance and housing allowance.

<https://en.institut-agro-montpellier.fr/getting-settled/prepare-your-arrival-montpellier-supagro> (English)

<https://www.institut-agro-montpellier.fr/international/venir-etudier-montpellier-supagro/votre-service/preparer-votre-arrivee-montpellier> (French)

Welcome Events and Administrative Tasks

The Students' Association provides services and **welcome activities** for incoming international students: Pick-up service at the airport or train station, Informal arrival celebration and other integration activities, ...

Each international student is matched with a local student (buddy) by a mentoring program managed by Institut Agro Montpellier students.

Students receive help with **administrative procedures** such as visas, insurance, housing, bank account, ...

Accommodation, Meals and Daily Life

Accommodation and Meals

Once accepted, students can book a room or a bedsit in one of Institut Agro Montpellier's **student residence halls**, which are situated near La Gaillarde campus. Students are free to choose another type of accommodation in town.

<https://en.institut-agro-montpellier.fr/student-life/accommodation> (English)

<https://www.institut-agro-montpellier.fr/vie-etudiante/lieu-de-vie/hebergement> (French)



Meals

Students can eat at the **campus restaurant** under the same conditions as the Institut Agro Montpellier students.

<https://en.montpellier-supagro.fr/student-life/living/dining> (English)

<https://www.montpellier-supagro.fr/vie-etudiante/restauration> (French)

Students with Special Needs

Montpellier SupAgro offers the infrastructure to welcome students and staff with disabilities.

<https://en.institut-agro-montpellier.fr/student-life/accessibility-and-disability> (English)

<https://www.institut-agro-montpellier.fr/vie-etudiante/campus-dynamiques/accessibilite-et-handicap> (French)

Student Guides

<https://en.institut-agro-montpellier.fr/getting-settled/prepare-your-arrival-montpellier-supagro> (English)

<https://www.institut-agro-montpellier.fr/international/venir-etudier-montpellier-supagro/de-la-preparation-de-votre-arrivee-votre-accueil-1> (French)

Extra-Curricular Activities

Exchange students have the opportunity to participate to a wide range of sports and extra-curricular activities offered by Institut Agro Montpellier and/or organized by the Student's Association.

<https://en.institut-agro-montpellier.fr/student-life/dynamic-campus/student-associations> (English)

<https://www.institut-agro-montpellier.fr/vie-etudiante/campus-dynamiques/vie-associative>

(French)



Institut Agro Montpellier
Course Offer 2022-2023
for Incoming International Students

Institut Agro Montpellier 2022-2023

AUTUMN SEMESTER TRACK OFFER

Ctrl-Click on the link of the Track on which you would like more information

 French				 English								
Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sept
JRL-AT - Junior Research Lab for Agric. Transitions							Montpellier – 26 ECTS					
JRL-AT - Junior Research Lab for Agric. Transitions							Montpellier – 30 ECTS					
VINIFERA – Vinifera Euromaster							Montpellier – 23 ECTS					
VINIFERA – Vinifera Euromaster							Montpellier – 30 ECTS					
DOMINANTE 1 - Towards Sustainable Agriculture							Montpellier – 30 ECTS					
DOMINANTE 1 - Towards Sustainable Agriculture							Montpellier – 26 ECTS					
DOMINANTE 2 - Products, Processes and Companies							Montpellier – 30 ECTS					
DOMINANTE 2 - Products, Processes and Companies							Montpellier – 26 ECTS					
DOMINANTE 3 - Sustainable Management of Natural Resources							Montpellier – 30 ECTS					
DOMINANTE 3 - Sustainable Management of Natural Resources							Montpellier – 26 ECTS					
EAU et AGRICULTURE 1 - Water and Agriculture (cycle and management of water in agrosystems)							Montpellier – 30 ECTS					
EAU et AGRICULTURE 2 - Water and Agriculture (advanced methods for water management in agrosystems)							Montpellier – 30 ECTS					
EAU et SOCIETE 1 - Water and Society (economy-sociology-management)							Montpellier – 30 ECTS					
EAU et SOCIETE 2 - Water and Society (political science, law, history, geography)							Montpellier – 30 ECTS					
BEE - EcoSystèmeS –Biodiversity Ecology Evolution / Ecosystems							Montpellier – 32,5 ECTS					
BESTE - Biodiversity, watEr, Soil, climaTe, Evaluation							Montpellier – 30 ECTS					
DATA SCIENCE - Data Science for Agronomy and Agri-food							Rennes/Montpellier – 30 ECTS					
AGROTIC - Agro-Technologies of Information and Communication							Montpellier/Bordeaux – 30 ECTS					
APIMET - Plant Breeding, Mediterranean and Tropical Crops Engineering							Montpellier – 30 ECTS					
SYSTEME D'ELEVAGE - Livestock Farming Systems							Montpellier – 30 ECTS					
CHIMIE VERTE - Chemistry and Bio-Processes for Sustainable Development							Montpellier – 30 ECTS					
PPE - Plant Protection and Environment							Montpellier/Rennes/Paris – 30 ECTS					
PVD - Sustainable Crop Production							Montpellier – 30 ECTS					
AGRO-MANAGERS - Agromanager							Montpellier – 30 ECTS					
TeRPPA - Rural development: land planning, natural resource management and public policies							Montpellier – 30 ECTS					
EEET - EcoDEVA - Economics of agricultural development, environment and food							Montpellier – 30 ECTS					
BIOAGRO - ICOA - Food eco-design engineering							Montpellier – 30 ECTS					
AAIM - Agri-Food and Agro-Industry							Montpellier – 30 ECTS					
IDEAL – Innovation, Development and Entrepreneurship in Food Processing for Mediterranean and Tropical Countries							Montpellier – 30 ECTS					
MOQUAS - Markets, Organization, Food Quality, Services in the Southern Agriculture							Montpellier – 30 ECTS					
RESAD - Resources and Agricultural Systems Development							Montpellier – 30 ECTS					

How to Choose from the Autumn Semester Track Offers?

Tracks and Teaching Units

- A Track corresponds to a line on the Track offers chart (previous page). Each Track is made up of several Teaching Units (UE).
- Each Track delivers 30 ECTS per semester.
- Students must choose one of the Tracks.
- Students can attend a Track if they have officially validated at least 6 semesters of study (180 ECTS).
- It is compulsory to attend all the Teaching Units of the chosen Track.

Foreign Languages

- In July and/or August, paying **French Summer Courses** are offered for non-French speaking students.
- Before the beginning and throughout the semester Montpellier offers **free of charge Language Courses**:

French	For all international students, except French speaking students	<u>Intensive Courses</u> September or October 30 hrs (3 hrs/day) + <u>Regular Courses</u> : 2hrs/week throughout the semester	<i>Minimum admission level : B1</i>	1 ECTS + 2 ECTS
English Spanish German	For all students	1hr30mins/week throughout the semester	<i>Admission level:</i> English: B1 to C1 Spanish / German : A1 to C1	1 ECTS

- English courses are included in 7 Tracks:
“Agri-Food and Agro-Industry”,
“Agromanager”,
“Plant Breeding, Mediterranean and Tropical Crops Engineering”,
“Coordination of Projects in Environmental Education and Sustainable Development”
“Chemistry and Bio-Processes for Sustainable Development”
“Agricultural Management of Rural Natural Areas” and
“Junior Research Lab for Agricultural Transitions”.

Institut Agro Montpellier 2022-2023

SPRING SEMESTER TRACK OFFER

Ctrl-Click on the link of the Track on which you would like more information



French



English



French and/or English

























Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept
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UE 5	DOMINANTE 1 - <u>Towards Sustainable Agriculture</u>	Montpellier – 4 ECTS
UE 4	DOMINANTE 2 - <u>Products, Processes and Companies</u>	Montpellier – 4 ECTS
UE 4	DOMINANTE 3 - <u>Sustainable Management of Natural Resources</u>	Montpellier – 4 ECTS
VINIFERA - <u>Viticulture and Enology</u>		Montpellier – 33 ECTS
VINIFERA - <u>Viticulture and Enology</u>		Montpellier – 26 ECTS
DATA MANAGER - <u>Data Manager for environmental project</u>		Montpellier - 21 ECTS
PLANT SCIENCES - <u>Plant Sciences</u>		Montpellier - 21 ECTS
AGROECOLOGY - <u>Agroecology</u>		Montpellier - 21 ECTS
Mixed Track (see next page)		Montpellier - 21 ECTS
AGROALIMENTAIRE - <u>Agri-Food</u>		Montpellier - 21 ECTS
DAAS Dev – <u>Agric. and Food Systems in Southern Countries</u> **		Montpellier - 21 ECTS
DAAS Agrifood – <u>Agric. and Food Systems in Southern Countries</u>		Montpellier - 21 ECTS
Mixed Track (see next page)		Montpellier - 21 ECTS
EAU et AGRICULTURE 1 - <u>Water and Agriculture (cycle and management of water in agrosystems)</u>		Montpellier - 22,5 ECTS
EAU et SOCIETE 1 - <u>Water and Society (econ-social-management)</u>		Montpellier - 22,5 ECTS
JRL Junior Research Lab		Montpellier – 14 ECTS
Internship		Montpellier – 7 ECTS
FLOW		Montpellier – 8 ECTS

How to Choose from the Spring Semester Track Offers?

Tracks and Teaching Units

- A Track corresponds to a line on the Track offers chart (previous page). Each Track is made up of several Teaching Units (UE). Each Track delivers 30 ECTS per semester.
- Students have two options:
 - choose one track (1 line on the chart) and attend all the Teaching Units, or
 - combine the Teaching Units (UE) (mixed track), selecting 1UE per period:

	Period 1 (23 Jan – 17 Feb 2023) 7 ECTS		Period 2 (27 Feb – 24 March 2023) 7 ECTS		Period 3 (27 March – 21 Apr 2023) 7 ECTS	
Data Manager for Environmental Projects	Collecting Environmental Data		Processing, Analysis and Presentation of Environmental Data		Mobile and Web Management of Environmental Data	
Plant Science	Designing New Crops for the Future		Training in AGROPOLIS Research Community		Evolutionary Applications in Agriculture: Evolutionary Concepts for the Management of Agro-Ecosystems	
Agroecology	What is Agroecology?		Agroecology in Depth Knowledge		The Agroecological Transition Implementation-	
Agri-Food and Agro-Industry	Analyser les filières agricoles et agroalimentaires + Traditions & Innovation en alimentaire : inventons les aliments traditionnels	  	Dynamique et outils de contrôle des procédés de transformation		Evolution cinétique des produits et qualité + Elaboration de produits en halle technologique	 
DAAS Agrifood - Agricultural and Food Systems in Southern Countries	Analyser les filières agricoles et agroalimentaires + Comprendre les systèmes alimentaires et leurs enjeux	 	Dynamique et outils de contrôle des procédés de transformation		Evolution cinétique des produits et qualité + Elaboration de produits en halle technologique	 
DAAS Development - Agricultural and Food Systems in Southern Countries	Analyser les filières agricoles et agroalimentaires + Comprendre les systèmes alimentaires et leurs enjeux	 	Gestion sociale des ressources		Milieus, Agricultures et Ressources	

Internship (7 ECTS) / Junior Research Lab (14 ECTS) / FLOW (10 ECTS)

At the end of the Tracks, students can do:

- A two-month **Internship** in a laboratory or a company (more information p.16)
- or
- A **Junior Research Lab** for 2 months (more information p.15)
- or
- The 3 weeks **FLOW** Spring course

Foreign Languages

- Before the beginning and throughout the semester, Montpellier offers **free of charge Language Courses**:

French	For all international students, except French speaking students	<u>Intensive Courses</u> January or February 30 hrs (3 hrs/day) + <u>Regular Courses</u> : 2hrs/week throughout the semester	Admission level : B1	1 ECTS + 1 ECTS
English Spanish German	For all students	1hr30mins/week throughout the semester	Admission level: English: B1 to C1 Spanish / German : A1 to C1	1 ECTS

Ctrl-Click on the link of the Track on which you would like more information



F French



E English

Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept
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COMBINE AUTUMN and SPRING SEMESTER TRACKS (see previous pages)
or
CHOOSE one of the following Tracks

VINIFERA – Vinifera Euromaster Montpellier – 56 ECTS	Internship 4 ECTS / month
CEEDDR - Coordination of Projects in Environmental Education and Sustainable Development - Florac - 40 ECTS	Internship 20 ECTS
GENA - Agricultural Management of Rural Natural Areas Florac - 40 ECTS	Internship 20 ECTS
EAU et AGRICULTURE 1 - Water and Agriculture (cycle and management of water in agrosystems) Montpellier - 52,5 ECTS	Internship 7,5 ECTS
EAU et AGRICULTURE 2 - Water and Agriculture (advanced methods for water management in agrosystems) Montpellier - 35 ECTS	Internship 25 ECTS
EAU et SOCIETE 1 - Water and Society (year 1 - economy-sociology-management) Montpellier - 52,5 ECTS	Internship 7,5 ECTS
BEE - EcoSystemS - Ecosystems Montpellier – 32,5 ECTS	Internship 27,5 ECTS
BESTE - Biodiversity, watEr, Soil, climaTe, Evaluation Montpellier - 30 ECTS	Internship 30 ECTS
DATA SCIENCE - Data science for Agronomy and Agri-Food Rennes/Montpellier - 30 ECTS	Internship 30 ECTS
AGROTIC - Agro-Technologies of Information and Communication Montpellier/Bordeaux - 30 ECTS	Internship 30 ECTS
APIMET - Plant Breeding, Mediterranean and Tropical Crops Engineering Montpellier - 30 ECTS	Internship 30 ECTS
SYSTEME D'ELEVAGE - Livestock Farming Systems Montpellier - 30 ECTS	Internship 30 ECTS
CHIMIE VERTE - Chemistry and Bio-Processes for Sustainable Development Montpellier - 30 ECTS	Internship 30 ECTS
PPE - Plant Protection and Environment Montpellier/Rennes/Paris - 30 ECTS	Internship 30 ECTS
PVD - Sustainable Crop Production Montpellier - 30 ECTS	Internship 30 ECTS
AGRO-MANAGERS - Agromanagers Montpellier - 30 ECTS	Internship 30 ECTS
TeRPPA - Rural development: land planning, natural resource management and public policies Montpellier - 30 ECTS	Internship 30 ECTS
EEET - EcoDEVA - Economics of agricultural development, environment and food Montpellier - 30 ECTS	Internship 30 ECTS
BIOAGRO - ICOA - Food eco-design engineering Montpellier - 30 ECTS	Internship 30 ECTS
AAIM - Agri-Food and Agro-Industry Montpellier - 30 ECTS	Internship 30 ECTS
IDEAL – Innovation, Development and Entrepreneurship in Food Processing for Mediterranean and Tropical Countries Montpellier - 30 ECTS	Internship 30 ECTS
MOQUAS - Markets, Organization, Food Quality, Services in the Southern Agriculture Montpellier - 30 ECTS	Internship 30 ECTS
RESAD - Resources and Agricultural Systems Development Montpellier - 30 ECTS	Internship 30 ECTS

How to Choose from the Full Year Track Offers?

Tracks and Teaching Units

- Students can:
 - combine tracks of the Autumn and Spring semester: choose one track (1 line on the chart) on Autumn semester chart (September-January) and one track on Spring semester chart (February-August).
 - Combine an internship during the Autumn semester with a track of the Spring semester
 - choose a specific Track for the full year on the chart above
- A Track corresponds to a line on the Track offers chart. Each Track is made up of several Teaching Units (UE). Each Track delivers 30 ECTS per semester. All the UE of the Track chosen must be attended.
- To attend the Tracks "Coordination of Projects in Environmental Education and Sustainable Development" and "Agricultural Management of Rural Natural Areas", students must have officially validated 4 semesters of graduated studies (120 ECTS) as a minimum. To attend all others Tracks, 6 semesters of graduated studies are required.

Internship

After the courses, depending on the Track, students can do a 2 to 6-month Internship in a laboratory or company. See more at the end of the document, p. 16

Foreign Languages

- In July and/or August, paying **French Summer Courses** are offered for non-French speaking students.
- Before the beginning and throughout the year Montpellier offers **free of charge Language Courses**:

French	For all international students, except French speaking students	<u>Intensive Courses :</u> September or October 30 hrs (3 hrs/day) + <u>Regular Courses:</u> 2hrs/week throughout the semester	<i>Minimum admission level : B1</i>	1 ECTS + 2 ECTS Autumn semester 1 ECTS Spring semester
English Spanish German	For students attending Tracks during the Spring semester	1hr30mins/week throughout the semester	<i>Admission level:</i> English: B1 to C1 Spanish / German: A0 to C1	2 ECTS Autumn semester 1 ECTS Spring semester

Obs:

- Depending on their level in English, English courses are recommended during the first semester for students who wish to attend classes taught in English during the second semester.
- English courses are included in 6 Tracks of the Autumn semester:
 - "Agri-Food and Agro-Industry",
 - "Agromanagers",
 - "Plant Breeding, Mediterranean and Tropical Crops Engineering",
 - "Coordination of Projects in Environmental Education and Sustainable Development",
 - "Chemistry and Bio-Processes for Sustainable Development"
 - "Agricultural Management of Rural Natural Areas" and
 - "Junior Research Lab for Agricultural Transitions".

Institut Agro Montpellier 2022-2023

Junior Research Lab – JRL

[More information](#)

Organization and credits

The course is a full time 8-week-long course (May and June). Successful completion of this course brings 14 ECTS credits.

Teaching language

English (B2 level)

Objectives

The module is based on a research project but is not an internship under the supervision of a senior scientist who has already framed the entire project.

It is a learning by researching and doing module. From seminal ideas of projects proposed by a team of experienced teachers, experts in several disciplines (plant biology, genetics and evolution, soil and water science, numeric agriculture or social sciences), small groups of 4-5 students are assembled on the basis of their complementary skills. They have to identify a scientific question from a literature review, design their own experiments, acquire and analyze data, write a scientific paper and realize a flash oral presentation. We aim to train them to work in a cooperative, open and sharing way respecting the principles of ethical, open and reproducible science.

The students are accompanied by a step-by-step process. Courses for project management, data management, data analysis, English writing, and literature management are given all along the 8 weeks consistently according to the increasing needs of the students.

Students are accompanied and taught in the different disciplines according to the needs of their project. They are asked to develop their engagement, self-learning, interculturality, curiosity, critical thinking and responsibility.

The module is hosted in a dedicated space to which they have a full-time access.

Course content

Students activities are split into a group project (50%) and transversal activities (50%).

The module is organized with three main activities:

- (i) active learning sessions providing in-depth knowledge and practical skills useful for research activities.
- (ii) seminars covering the diverse facets of open and reproducible research.
- (iii) scientific project: field visit, literature review, experimental design, data production, data management plan, data analysis, scientific writing and open peer review among groups. Students are mentored by teachers and expert scientists for their project.

Requirements

The course is open to Junior or Senior Students in agronomy, with at least attending a final year of bachelor in science. We expect some basics in statistics (also possibly taken at a previous module in Institut Agro Montpellier). No other specific prerequisites but English B2 level.

Grades

The final mark will be a weighted average between an individual exam (peer review of another group's project article and 180' flash oral presentation) and a group project (scientific article).

Partnership

Research Units: potentially all (120) research units from MUSE

FLOW

[More information](#)



Over a period of 4 weeks (*May 23th - June 17th 2022*), the Major Industrial Challenges in France will be studied in three major scientific fields:

- FEAT - Food, Wine and Water
- SEM - Sustainable Energy and Materials
- DIP - Data and Information Processing

In parallel to the scientific program, FLOW offers students a cultural immersion in the Occitanie region, with visits to its emblematic places, as well as learning the basics of French (gastronomy and culture).

Scientific courses

- lectures, labs + scientific visit
- 64h - 7 ECTS

Tutored cross-disciplinary project on sustainability project management

- 12h - 1 ECTS

French courses + social and intercultural programme

- 24h - 2 ECTS

Institut Agro Montpellier 2022-2023

INTERNSHIP

- International students can apply for a research internship in one of the 21 Institut Agro Montpellier **Joint Research Unit (UMR)**.
 - Students must personally take steps to find the internship. For that, they should consult the list of the UMR, at the end of this document and/or consult the UMR websites
<https://en.institut-agro-montpellier.fr/research/scientific-policy/research-units> (English)
<https://www.institut-agro-montpellier.fr/recherche/dispositifs-de-recherche> (French)
 - Students should send a message to the contact persons of the chosen UMRs of interest, and indicate the period they are interested in and the topics they would like to work on.
 - The application may be accepted if the project is compatible with the work in progress and the availability of the targeted research teams.
- Internship can begin **at any time of the year**.
 - Internships can last **from a few weeks to 6 months**. If the internship lasts more than 2 months, students are paid. This type of long internship is more difficult to obtain.
- Proficiency is required **in French or in English**. In some cases, other languages can be accepted.

Institut Agro Montpellier Joint Research Units (UMR)

[More information](#)

General Internship offers at CIRAD and INRAE

<https://www.cirad.fr/en/work-with-us/join-us/stages-partenaires-doctorats>
<https://jobs.inrae.fr/en/news/complete-internship>

Specific contacts at Joint Research Units

MPRS Department - Soils, Water, Crops and Livestock Systems Department

UMR Eco&Sols – Functional Ecology & Biogeochemistry of Soils

The aim of Eco&Sols is to use ecological engineering to propose scientifically-based practices to maintain and improve the agricultural and environmental functions of agro-ecosystems. The research undertaken by Eco&Sols seeks to describe and understand the ecological processes of primary production and the regulation of the carbon and nutrient fluxes in the agro-systems.

Information: <http://www.umar-ecosols.fr/en/>

Members: INRAE, CIRAD, IRD, L'Institut Agro

Contact: claire.marsden@supagro.fr

UMR LISAH - Laboratory for the Study of Interactions between Soil, Agro-Systems and Water Systems

LISAH focuses its work on hydrology, the transfer of contaminants and erosion of highly developed and cultivated soils. It also studies the spatial proprieties of these areas, and their evolution. These studies aim at analyzing the issues of water and soils in cultivated areas.

Information: <https://www.umar-lisah.fr/?q=en>

Members: INRAE, IRD, AgroParisTech, L'Institut Agro

Contact: Julien.fouche@supagro.fr

UMR LSTM – Tropical and Mediterranean Symbioses Laboratory

LSTM studies microbiology and biology of plants, based on a multidisciplinary and integrative approach. It aims at understanding the molecular mechanism influencing the establishing of symbioses, as well as their role in ecosystematic services. It also studies the biodiversity of symbiotic microorganisms.

Information: <https://umr-lstm.cirad.fr/>

Members: UM, CIRAD, IRD, INRAE, L'Institut Agro

Contact: brigitte.brunel@supagro.fr

UMR SELMET – Livestock Systems in Mediterranean and Tropical Regions

SELMET works on animal production agro-ecosystems in warm climates, in normal and harsh conditions. The extreme conditions under which some of these systems function challenge the limits of ecological intensification.

Information: <http://umr-selmet.cirad.fr/en>

Members: INRAE, CIRAD, L'Institut Agro

Contact: nathalie.agbagla@supagro.fr - charles-henri.moulin@supagro.inrae.fr

UMR ABSys - Biodiversified Agrosystems

ABSys supports the agroecological transition by producing knowledge and methods for the assessment and design of tree crop-based cropping systems, including agroforestry systems, in a wide range of Mediterranean and tropical environments.

Information: <https://umr-absys.cirad.fr/>

Members: CIRAD, INRAE, Ciheam-IAM, L'Institut Agro

Contact: aurelie.metay@supagro.fr

BE Department – Biology and Ecology

AGAP Institute – Genetic Improvement & Adaptation of Mediterranean and Tropical Plants

AGAP Institute produces, collates and shares knowledge, methods and technologies on genetics, physiology and evolution of cultivated plants, as well as innovative and collective management strategies. The objective is to create a diversity of crop varieties and to promote plants adapted to the diversity of Mediterranean and tropical agriculture. About 20 tropical and Mediterranean crops are studied, covering a very wide range of biological characteristics and uses. Considering the diversity of plants and their multiple uses as an opportunity, AGAP aims to impact the development of more efficient agroecosystems, through multidisciplinary approaches.

Information: <http://umr-agap.cirad.fr/en>

Members: CIRAD, INRAE, UM, L'Institut Agro

Contact: dominique.this@supagro.fr – nathalie.pivot@cirad.fr – laurent.torregrosa@supagro.fr

UMR PHIM – Plant Health Institute Montpellier

PHIM studies the interactions between the plant and its biotic environment that have an impact on plant health, growth and productivity. Several of our researchers are located in Kenya, Ivory Coast, French Guyana and Costa Rica. We also have research platforms in Burkina-Faso, Cambodia and China.

Information: <https://umr-phim.cirad.fr/>

Members: INRAE, CIRAD, IRD, L'Institut Agro

Contact: claire.neema@supagro.fr - gerben-martijn.ten_hoop@cirad.fr, - gilles.bena@ird.fr

UMR BPMP – Biochemistry and Molecular Physiology of Plants

B&PMP is defined as an Integrative Biology research department, focused on the mechanisms of plant responses and adaptation to variable abiotic environmental conditions.

Information: <https://www1.montpellier.inra.fr/wp-inra/bpmp/en/>

Members: INRAE, CNRS, UM, L'Institut Agro

Contact: pierre.berthomieu@supagro.fr - anna.medici@supagro.fr

UMR CBGP - Centre for Biology and Management of Populations

CBGP carries out research in the fields of systematics, genetics and ecology of natural populations and communities of animals (mainly arthropods and small mammals), for the purposes of agriculture, public health and biodiversity. It aims to characterize the diversity of these organisms, and to understand and predict their evolution in a context of global changes. The results of some of these research programs contribute to the development of decision support tools for pest and disease management or for the conservation of threatened species.

Information: <https://www.cirad.fr/nos-recherches/unites-de-recherche/cbpg>

Members: CIRAD, INRAE, IRD, L'Institut Agro

Contact: marie-stephane.tixier@supagro.fr - serge.kreiter@supagro.fr – jean-francois.martin@supagro.fr

UMR LEPSE – Ecophysiology Laboratory of Plants under Environmental Stress

LEPSE produces methods and knowledge to help maximizing crop production with less input, essentially water. This objective was initially assigned in the context of the necessity to limit water use by agriculture. Ongoing climate change, with global temperature elevation, increased probability of heat waves and drought episodes have led us to widen our domain of research.

Information: https://www6.montpellier.inrae.fr/lepse_eng/

Members: INRAE, L'Institut Agro

Contact: anne.pellegrino@supagro.fr

CEFE – Centre for Functional and Evolution Ecology

CEFE is currently the largest French research center in Ecology and Evolutionary Biology. Its mission is to perform independent, fundamental scientific research on the dynamics and evolution of biodiversity, planetary environmental change, and sustainable development. The CEFE works at a great variety of field sites around the world, but developed particular expertise in Mediterranean and tropical ecosystems. Its main objectives are to understand the dynamics and functioning of ecological systems, and to develop scenarios on their evolution as well as strategies for their conservation and their restoration

Information: <http://www.cefe.cnrs.fr/fr/>

Members: UM, CNRS, UM3, IRD, EPHE, INRAE, L'Institut Agro

Contact: elena.kazakou@supagro.fr

SABP Department - Department of Sciences for Agro-Bio-Processes

UMR G-EAU - Water Management, Actors, Uses

G-EAU conducts researches on hydrosystems, from physical description to integrated water management; it contributes to the design and evaluation of facilities to develop innovating solutions and policies for improved water management. The unit is strongly involved in the UNESCO water center ICIREWARD and hosts many students from the MSc programme Water Sciences ('Water and Agriculture' and 'Water and Society') for their research internships

Information: <http://www.g-eau.fr/index.php/en/>

Members: INRAE, CIRAD, IRD, AgroParisTech, BRGM, L'Institut Agro

Contact: gilles.belaud@supagro.fr, francois.colin@supagro.fr - armand.crabit@supagro.fr

UMR IATE – Agro-Polymer Engineering and Emerging Technologies

IATE is active in the field of agrifood and green chemistry. It comprises seven research teams who generate knowledge regarding the structural-functional properties of plant-based products upon transformation to food, biomaterials, biomolecules and bioenergy. Societal challenges, such as food security and a transition towards a bio-based society, serve as fuel for creativity and new research activities.

Information: <https://umr-iate.cirad.fr/en>

Members: INRAE, UM, L'Institut Agro

Contact: maeva.subileau@supagro.fr – eric.dubreucq@supagro.fr

UMR ITAP – Technologies and methods for the agriculture of tomorrow

With the aim of developing equipment for a more sustainable agriculture and for services related to the environment, UMR ITAP develops the scientific and technical bases of the following topics: information and associated systems (optical measurements, decision support systems), eco-technologies for sustainable agricultural production (including equipment for crop protection and maintenance), environmental and social assessment based on life cycle assessments.

Information: <https://itap.inrae.fr/>

Members: INRAE, L'Institut Agro

Contact: bruno.tisseyre@supagro.fr

UMR MISTEA – Mathematic, Computing & Statistic for Environment and Agronomy

The activities of MISTEA concern the development of mathematical, statistical and computer science methods dedicated to analysis and decision support for Agronomy and Environment, with particular emphasis on the temporal dimension and complexity.

Information: https://www6.montpellier.inrae.fr/mistea_eng/

Members: INRAE, L'Institut Agro

Contact: benedicte.fontez@supagro.fr

UMR QUALISUD – Integrated Quality Food System

QUALISUD aims at developing an integrated approach for production and preservation of products and food with optimum organoleptic, health and nutritional optimal qualities.

Information: <http://umr-qualisud.cirad.fr/en/the-research-unit>

Members: CIRAD, UM, Avignon Université, IRD, Université de la Réunion, L'Institut Agro

Contact: manuel.dornier@cirad.fr - antoine.collignan@supagro.fr

UMR SPO – Sciences for Enology

SPO is one of the most important organizations involved in research in enology worldwide. It comprises 3 research teams: Adaptation, Diversity, Ecology of yeasts (ADEL), Alcoholic fermentation: Yeasts, Aromas, Metabolism (FLAM), Biomolecules of enological interest (BIO). Close interactions with the INRAE Experimental Unit of Pech Rouge-Narbonne (UE PR) allow the development of research projects up to pilot or pre-industrial scale and provide unique opportunities for innovation and transfer.

Information: https://www6.montpellier.inrae.fr/spo_eng/

Members: UM, INRAE, L'Institut Agro

Contact: bruno.blondin@supagro.fr

SESG Department - Economics, Management and Social Sciences

UMR INNOVATION – Innovation and Development in Agriculture and Agri-Food Sector

The mission of INNOVATION is to inform private and public actors' decision-making by producing knowledge on the processes of innovation and development in agricultural and food systems. Its research focuses on innovation processes, ranging from understanding the objectives of the actors wanting to innovate to analyzing innovations' impact on development. Its research also covers the methods required to support the actors who innovate.

Information: <https://umr-innovation.cirad.fr/en>

Members: CIRAD, INRAE, L'Institut Agro

Contact: stephane.de-tourdonnet@supagro.fr

UMR CEE-M – Center of Environmental Economics- Montpellier

CEE-M aims at developing a plurality of works through specific tools (Market Econometrics, behavioral economics, experimental economics, public economics, history of economics thought, micro economy, social economy, game theory). The targeted areas are as follow: Risks, Preferences and behaviors; Public decision, collective actions and social ethic; Competition, regulations and network industry and finally Environment, natural resources and biodiversity.

Information: <http://www.cee-m.fr/>

Members: INRAE, CNRS, UM, L'Institut Agro

Contact: pauline.lecole@supagro.fr

UMR MoISA – Montpellier Interdisciplinary center on Sustainable Agri-food systems (Social and nutritional sciences)

MoISA gathers researchers and lecturers in social sciences and nutrition from CIRAD, INRAE, IRD, Institut Agro Montpellier and Ciheam-IAMM, under Muse (Montpellier University of Excellence). We research stakeholders' strategies and behaviour in the agri-food systems of Mediterranean and tropical areas, and their results in terms of food security and sustainable development. The main disciplines of research are in social sciences: micro-economics, economics of organization, management, sociology, anthropology, political science); and public nutrition.

Information: <http://umr-moisa.cirad.fr/>

Members: CIRAD, INRAE, IRD, CIHEIAM-IAMM, L'Institut Agro

Contact: lucie.sirieix@supagro.fr

UMR SENS – Knowledge, Environment, Societies

SENS is structured around the following objectives: 1) to produce knowledge on the mechanisms underlying the relations and tensions that make up the society-environment nexus; 2) to accompany social and institutional initiatives and innovations aimed at sustainably influencing, at different scales, the trajectories of ecological and social systems; 3) to consolidate reflexive approaches to our role as scientists with regard to the complexity of the phenomena studied, their ethical and political dimensions, and the necessary co-construction of knowledge and practices oriented towards sustainability.

Information: <https://umr-sens.fr/>

Members: IRD, UM3, L'Institut Agro

Contact: pascale.maizi@supagro.fr - marie-jeanne.valony@supagro.fr

