



**French Network for Education
and Research in Life Sciences**
AGROECOLOGY - AGRORESOURCES - AGROFOOD

FRANCEAGRO3 TEACHING MOBILITY PROGRAM 2019.20

France AGRO3 OUTGOING TEACHING OFFER

Course	teaching hours	Period	Level	Language	Contact
ENVIRONMENTAL SCIENCES					
Organic farming and preservation of environmental resources	8h	to be discussed	Master	English	mpobel@isara.fr
Toxicology - Ecotoxicology - environmental risk assessment	8-12h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
Phyto remediation	8-12h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
Polluted sites management	8-12h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
Human risk assessment	8-12h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
GIS	8-12h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
Pollutants: origins, behaviour, pollutants chemistry	8-12h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
MARKETING AND MANAGEMENT					
Advanced Excel workshop for Operations managers in the Food Industry	8 to 16 h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
Introduction to linear programming and optimization : agro-food cases using Excel solver	8 to 16 h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
Finance	10 - 16h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
International marketing	4-8h	Between April/June	Master	French, english	s.brochier@groupe-esa.com
Food products merchandising	4-8h	Between April/June	Master	French, english	s.brochier@groupe-esa.com
AGRONOMY AND AGROECOLOGY					
Introduction to Smart Farming (connected agriculture)	8-12h	to be discussed	BSc 3 or Master	French, English	florence.malaise@yncrea.fr
Plant Breeding and Genetics	8-12h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
Biocontrol (crop protection using microorganisms and resistance inducers)	8h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
multicriteria evaluation of cropping systems.	8-12h	to be discussed	Master	French, english	s.brochier@groupe-esa.com
innovation in cropping systems	8-12h	to be discussed	Master	French, english	s.brochier@groupe-esa.com
introduction to Agro ecology: overview of agro ecological approaches	2h	to be discussed	Master	French, english	s.brochier@groupe-esa.com
the significance of intercropping for low-input cropping systems: from knowledge to first steps towards management rules	2h	to be discussed	Master	French	s.brochier@groupe-esa.com
mimic theory: to be inspired from nature to design innovative cropping systems	2h	to be discussed	Master	French, english	s.brochier@groupe-esa.com
the use of Biodynamie in viticulture	4-8h	May - January	Master	French, english	s.brochier@groupe-esa.com
the use of Silica in agriculture	4-8h	May - January	Master	French, english	s.brochier@groupe-esa.com

FOOD SCIENCE

Food Safety Management system	16h	Between February - June	Master	French/English	florence.malaise@yncrea.fr
Quality management system	8 to 12h	February to June	Master	French, English	florence.malaise@yncrea.fr
Sensory Analysis	8 to 16h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
HACCP and ISO TS/22002	8 to 16h	Between January - June	BSc3 or Master	French/English	florence.malaise@yncrea.fr
Nutrition applied to food industries, Sensory analysis, French gastronomy	6 to 16h	between February and July	Master	French/English	florence.malaise@yncrea.fr
Introduction to production management and industrial performance in agro-food sector (MRP, ERP, lean etc)	4 to 12h	to be discussed	BSc3 or Master	English	florence.malaise@yncrea.fr
Introduction to linear programming and optimization : agro-food cases using Excel solver	8 to 16 h	to be discussed	Master	French, English	florence.malaise@yncrea.fr
Food product development	10-15h	Between October - May	Master	English	florence.malaise@yncrea.fr
Ingredients/ Additives/ Food regulations	10 to 15h	Between October - May	Master	English	florence.malaise@yncrea.fr
Introduction to brewing (process and raw material)	3 to 6h	February to June	BSc3 or Master	French, English	florence.malaise@yncrea.fr
Food quality: allergens, introduction to quality management systems, aflatoxins	8h	April - May	Master	English	mpobel@isara.fr
Food safety , HACCP	8h	April - May	Master	English	mpobel@isara.fr
Food consumption and experimental economics	8h	Feb. to July	Master	English	mpobel@isara.fr
Quality and typicity of food: methodology for characterisation and application for fruits and wine	6h	to be discussed	Master	French, english, italian	s.brochier@groupe-esa.com
Concept and management of "terroir"; Application in the wine sector	6h	to be discussed	Master	French, english, italian	s.brochier@groupe-esa.com
Perception of terroir and environment by consumers	3h	to be discussed	Master	French, english, italian	s.brochier@groupe-esa.com
Methodology of sensory analysis for wine and food products	4 to 15h	Between Sept./ Dec. or February	Master	French, english	s.brochier@groupe-esa.com
Typicity of products and "terroir "concept	5 to 15h	Between Sept./ Dec. or February	Master	French, english	s.brochier@groupe-esa.com
Wine and grape polyphenols	2 to 7h	Between march - june	Master	French, english	s.brochier@groupe-esa.com
Analysis method and quality of grape	4 to 15h	Between march/june	Master	French, english, Spanish	s.brochier@groupe-esa.com
Oenology	5 to 30h	Between march/june	Master	French, english, Spanish	s.brochier@groupe-esa.com

ANIMAL SCIENCE

Animal welfare: definition, monitoring, policy, marketing	8 to 40h	All year around	BSc 3 or Master	French, English	florence.malaise@yncrea.fr
Veal calves production: farming, market chains, products	4 to 8h	All year around	BSc 3 or Master	French, English	florence.malaise@yncrea.fr
Dairy cattle housing	4 to 12h	All year around	BSc 3 or Master	French, English	florence.malaise@yncrea.fr

Dairy calves management and housing	4 to 8h	All year around	BSc 3 or Master	French, English	florence.malaise@yncrea.fr
Poultry housing and production	4 to 8h	All year around	BSc 3 or Master	French, English	florence.malaise@yncrea.fr
French livestock systems	4 to 8h	All year around	BSc 3 or Master	French, English	florence.malaise@yncrea.fr
Basis in ethology	4 to 8h	All year around	BSc 3 or Master	French, English	florence.malaise@yncrea.fr
The dairy chain (France - EU)	4 to 8h	All year around	BSc 3 or Master	French, English	florence.malaise@yncrea.fr

ECONOMICS

Farm-level mathematical programming models for policy analysis	6 to 16h	between February and July	Master	English	s.brochier@groupe-esa.com
Agriculture and food policies	4h	between February and July	BSc 3 or Master	English	s.brochier@groupe-esa.com
ecological economics: application to Ecologically Intensive Agriculture	4h	between February and July	Master	English	s.brochier@groupe-esa.com

DETAILED DESCRIPTION OF THE COURSES AVAILABLE UPON REQUEST