

CALL FOR TEACHING MOBILITY

2020-2021

Join the France Agro³ network as a visiting professor in:

- * Marketing and Management
- * Food Science, Viticulture and Enology
- * Environmental Science
- * Animal Science
- * Agriculture and Agronomy

**BLENDED
LEARNING
& ONLINE
TEACHING
ENCOURAGED**



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

- * Language of Instruction: English
- * Mobility periods are eligible for Erasmus Plus funding
- * Possibility to have meals and lodging provided

Incoming Opportunities 2020-2021

FOOD SCIENCE - VITICULTURE - ENOLOGY

Food Defense (related to IFS, BRC,..)

Traceability Tools

Food Fraud

Cleaning and Disinfection: Applications in Food Processing

Food Product Formulation

Export Market Requirements and Cultural Adaptation of Food Products

Ecodesign Tools and Strategies

ISO 26000 and GRI

Product Development for Food Security

Cost-Benefit Analysis - SROI

Nutrition - Functional Foods

Six Sigma - Process Capability and Process Performance - Statistical Process Control

Biotechnologies

Packaging - Package/Product Interactions - Sustainability Trends in Packaging

Product development and nutrition

Nutritional labelling

Under-nourishment vs. obesity

Principals of Winemaking and Wine chemical Analysis

International Wine Business

Ideal
Period

Teaching
Hours

Level

Institution

Contact

Sep - Jan

8

Nov - Feb

10 - 15

Master

ISA Lille

florence.malaise@yncrea.fr

Feb - Mar

4 - 8

Dec - May
(TBD)

15 - 20

Feb - Mar

8

Master

ISARA

mpobel@isara.fr

Jan - May

30

Bachelor

PURPAN

amelie.jouault@purpan.fr

Jan - May

24 - 30

FOOD SCIENCE - VITICULTURE - ENOLOGY (continued)

	Ideal Period	Teaching Hours	Level	Institution	Contact
Wine Sensory Analysis	Jan - May	8 - 12	Bachelor	PURPAN	amelie.jouault@purpan.fr
Wine communication and marketing		12 - 16			
Introduction to Food Sciences		16 - 18			
Process in Food Technology		30			
Microbiological quality of food		12			
Food Innovation		min. 30			
Food Innovation Marketing		24 - 30			
Quality process		12 - 18			
Sustainable nutrition		Fall 2020			
Innovation in sustainable food systems					
Sustainable food consumption, consumer behaviour					
Food supply chain					
International food policy					
Biobased resources and products	Jan - Apr	8 - 16	Master		
Management: Food chain analysis					
Wine sustainability certifications around the world	Oct - Apr	3 - 5	Bachelor/ Master	ESA Angers	s.michaud@groupe-esa.com
Geographical indications and wine: Australia	Oct - Jan	2 - 4	Master		
Geographical indications and wine: USA					
Geographical indications and wine: Canada					
Geographical indications and wine: Argentina					
Geographical indications and wine: Brazil					
Terroir management to produce high quality wines	Oct - Dec	4 - 8			

FOOD SCIENCE - VITICULTURE - ENOLOGY (continued)

Impact of viticultural management practices on grape yield and quality

Winemaking processes and styles of wines

Aging of Wines

Microbiology for Viticulture and Oenology

Oxygen management during wine production

Low input innovations in viticulture and oenology

Quality management in wine industry

Packaging and wine quality

Production of spirits

Ideal
Period

Mar - Jun

Oct - Dec

Teaching
Hours

4 - 8

4

2 - 4

4

Level

Bachelor

Master

Institution

ESA Angers

Contact

s.michaud@groupe-esa.com

AGRICULTURE AND AGRONOMY

Biocontrol for Sustainable Crop Protection

Alternatives to Chemical Pesticides (all crops)

- Biological control: macro and micro -organisms

- Chemical Mediators

- Natural Substances (biofungicides from plants or microbials, minerals..)

Applied Agricultural Sciences to Specialized Crops:

Technical Practices (organic or conventional)

in vineyards, apple orchards, tomato/cucumber greenhouses, vegetables, aromatic plants, focus on the use of new connected technologies

Plant production: breeding, experimentation, seed quality, Use 'R' software for experimentaion plans, plant improvement, genetics

Landscape architecture, landscape engineering, landscape design

Ideal
Period

Jan -
Feb

Apr -
May

end
Feb -
mid
Apr

Teaching
Hours

8

10 - 15

min. 8

Level

Master

Bachelor

Institution

ISA Lille

ESA Angers

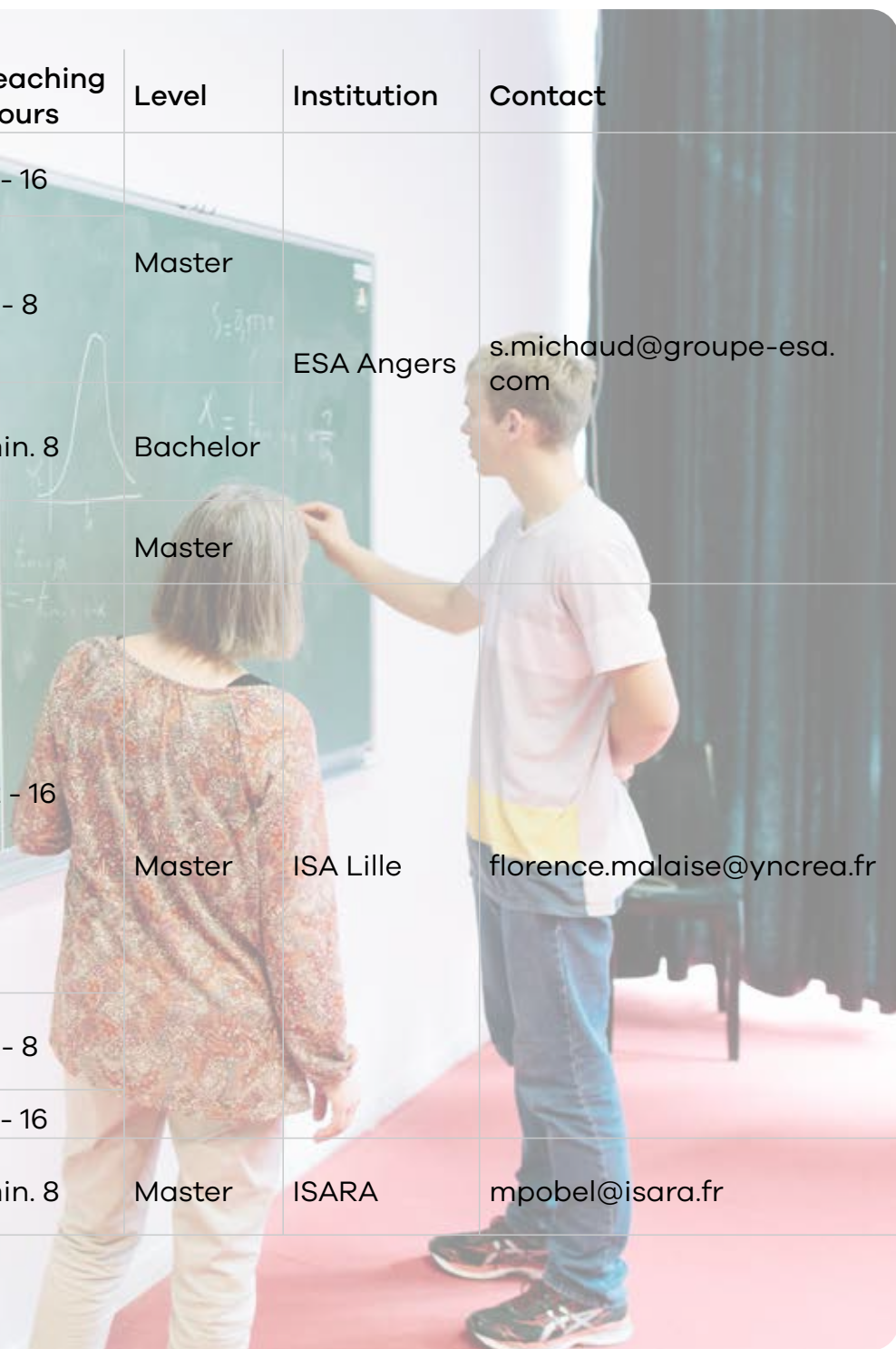
Contact

florence.malaise@yncrea.fr

s.michaud@groupe-esa.com

MARKETING AND MANAGEMENT

	Ideal Period	Teaching Hours	Level	Institution	Contact
Management: Food chain analysis	Jan - Apr	8 - 16			
Management: Wine chain analysis and Geographical Indications	Oct - Jan	4 - 8	Master	ESA Angers	s.michaud@groupe-esa.com
Collective marketing of wine: place branding (focus on case studies)	Jan - Feb				
Wine trade, export of wines , intercultural management in the wine sector, business operations, wine marketing, digital marketing in wine firms	Feb - mid Apr	min. 8	Bachelor		
Geopolitics and agricultural issues of Brazil (The different Brazilian agriculture and their challenges)	Sep	4	Master		
International Marketing	Nov - Dec				
Export	Oct				
Communication and Crisis Management	Jan - Feb	12 - 16			
Digital Communication	Feb - Mar		Master	ISA Lille	florence.malaise@yncrea.fr
Industrial Marketing	Mar				
Advanced Finance and Financial Analysis	Apr - May				
Consumer Behaviour					
Brand Strategy					
Business Intelligence	Sep - Dec	4 - 8			
Communication Policy		8 - 16			
Financing innovation, managing innovation	Fall 2020	min. 8	Master	ISARA	mpobel@isara.fr
Entrepreneurship					





MARKETING AND MANAGEMENT (continued)

Ethics and Business

Strategic Management

Supply chain design and management

Intercultural communication and international team building

Ideal Period

Teaching Hours

Level

Institution

Contact

Fall 2020

min. 8

Master

ISARA

mpobel@isara.fr

Sep

8 - 15

ANIMAL SCIENCE

Ideal Period

Teaching Hours

Level

Institution

Contact

Animal housing:

- climate - ambiance conditions in livestock buildings
- pig and/or poultry housing systems and building design

Jan - Feb

4 - 8

Animal production systems:

- ovine (sheep) and goat production systems
- bovine (meat) production systems

Apr - May

8

Farm animal health:

- Alternative medicine
- Infectious diseases in pig and poultry
- Infectious diseases in ruminants
- Mastitis (description, risk factors, costs, on-farm management...)
- Reproduction diseases in cattle
- Metabolic diseases in cattle
- Locomotion pathologies in cattle
- Management of parasites in ruminants/herbivores
- Veterinary drugs (description and on-farm use)
- Tools to evaluate the cost of health on farm (global approach) veterinary costs, production loss...
- Integrated health management of farm animals
- Management of parasitic diseases in farm animals

Feb - Mar

4

Master

ISA Lille

florence.malaise@yncrea.fr

ANIMAL SCIENCE (continued)

	Ideal Period	Teaching Hours	Level	Institution	Contact
Animal nutrition: feed evaluation systems, roughage production (systems)	Oct - Nov	8	Master	ISA Lille	florence.malaise@yncrea.fr
Introduction to Animal Production	Jan - May	16 - 30	Bachelor	PURPAN	amelie.jouault@purpan.fr
Animal nutrition					
Animal Welfare					
Animal production					
Animal product quality					
Animal reproduction					
Animal industries					
Quality of meat products					
Qualitative data collection and analysis		4	Master	PURPAN	mo.bisch@purpan.fr
Intercultural communication and international team building	Jan - Feb	8			
Farm accounting					
Quantitative data analysis					
International grain markets	Feb - Mar	21			
Value chain analysis		14			
Hallal Market		2 - 3			
Pig value chains and international markets	Mar - Apr				
Dairy value chains and international market		4			
Poultry value chains and international markets					
Beef/sheep value chains and international markets					
International Agri-Food-Environmental Policies - trade and non-trade barriers	Apr - May	21 - 28			
Marketing of animal products		21			



CALL FOR TEACHING MOBILITY 2020-2021

ENVIRONMENTAL SCIENCE

	Ideal Period	Teaching Hours	Level	Institution	Contact
Industrial Waste Management, Waste Water Treatment, Water Reuse...	Apr - May	15 - 20			
Industrial Waste Water Management					
Toxic and Ecotoxic Properties of Pollutants	Oct				
Alternative Use of Polluted Sites / Sustainable Management of Polluted Sites		20 - 30			
Ecological Restoration			Master	ISA Lille	florence.malaise@yncrea.fr
Crisis Management: how to react in an environmental crisis situation (industrial accident, etc)	Sep - Dec	10 - 15			
Applied Techniques of Pollution Remediation: Physical and Chemical Remediation Techniques		20 - 40			
Waste Management (household and industrial waste, treatment techniques)	Nov - Dec	20			
Environmental impacts of industrial activities, environmental impact assessment, environmental risk analysis					
Corporate Social Responsibility					
Life cycle assessment – Eco-design	Fall 2020	min. 8	Master	ISARA	mpobel@isara.fr
Clean technology					
Circular economy					
Waste management					
Environmental law and policies					





Outgoing Offers 2020-2021

CALL FOR TEACHING MOBILITY 2020-2021

Contact Information

Institution	Name	E-mail Address
ESA Angers	Sylvie Michaud	s.michaud@groupe-esa.com
ISA Lille	Florence Malaise	florence.malaise@yncrea.fr
ISARA	Marine Pobel	mpobel@isara.fr
PURPAN	Marie Odile Bisch	mo.bisch@purpan.fr

AGRICULTURE AND AGRONOMY

	Ideal Period	Teaching Hours	Level	Institution
Introduction to Smart Farming (connected agriculture)		8 - 12	Master	ISA Lille
Plant Breeding and Genetics	TBD			
Biocontrol (crop protection using microorganisms and resistance inducers)		8		
Multicriteria evaluation of cropping systems.		8 - 12		
Innovation in cropping systems				
Introduction to Agro ecology: overview of agro ecological approaches	TBD			
The significance of intercropping for low-input cropping systems: from knowledge to first steps towards management rules		2	Master	ESA Angers
Mimic theory: to be inspired from nature to design innovative cropping systems				
The use of Biodynamie in viticulture	May - Jan	4 - 8		
The use of Silica in agriculture				
PAEC protection Agroécologique des cultures (Agroecological Crop Protection)	Sep/Dec - Jan/ Feb	4	Master	PURPAN
Qualitative modeling for crop protection				

ANIMAL SCIENCE

Animal welfare: definition, monitoring, policy, marketing

Dairy cattle housing

Dairy cattle management and housing

Poultry housing and production

French livestock systems

Basis in Ethology

The dairy chain (France - EU)

Veal calves production: farming, market chains, products

Systemic analysis of an animal farm

Life cycle assessment approach applied to the animal sector

French Beef Production: from farm to fork

Beef production in tropical regions

Dairy production in tropical regions

Beef farming systems benchmark: structure, practices and economics

Dairy farming systems benchmark: structure, practices and economics

Livestock production in the mountains : predation, pastoralism and sustainability

Introduction to the Animal Sector

Livestock main issues

Agroecological livestock systems

Farm-level mathematical programming models for policy analysis

Agriculture and food policies

Ecological Economics: application to Ecologically Intensive Agriculture

Ideal Period

Teaching Hours

Level

Institution

All year

8 - 40

4 - 12

4 - 8

Master

ISA Lille

3

2

4 - 16

4 - 8

TBD

Master

PURPAN

2 - 3

2 - 4

6 - 16

Feb - Jul

Master

ESA Angers

4



FOOD SCIENCE - VITICULTURE - ENOLOGY

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	Ideal Period	Teaching Hours	Level	Institution
Food Safety Management System		16		
Quality Management System		8 - 12		
Nutrition Applied to Food Industries, Sensory Analysis, French Gastronomy	Feb - Jun	6 - 16		
Introduction to brewing (process and raw material)		3 - 6		
HACCP and ISO TS/22002	Jan - Jun			
Sensory Analysis		8 - 16	Master	ISA Lille
Introduction to linear programming and optimization : agro-food cases using Excel solver	TBD			
Introduction to production management and industrial performance in agro-food sector (MRP, ERP, lean etc)		4 - 12		
Food Product Development	Oct - May	10 - 15		
Ingredients/ Additives/ Food regulations				
Food quality: allergens, introduction to quality management systems, aflatoxins	Apr - May	8	Master	ISARA
Food safety , HACCP				
Food consumption and experimental economics	Feb - Jul			
Quality and typicity of food: methodology for characterisation and application for fruit and wine		6		
Concept and management of "terroir"; Application in the wine sector	TBD		Master	
Perception of terroir and environment by consumers		3		
Methodology of sensory analysis for wine and food products	Sep/Dec - Feb	4 - 15		ESA Angers
Typicity of products and "terroir "concept	Sep/Dec - Feb	5 - 15		
Wine and grape polyphenols		2 - 7		
Analysis method and quality of grape	Mar - Jun	4 - 15	Master	
Oenology		5 - 30		

MARKETING AND MANAGEMENT

	Ideal Period	Teaching Hours	Level	Institution
Advanced Excel workshop for Operations managers in the Food Industry	TBD	8 - 16	Master	ISA Lille
Introduction to linear programming and optimization : agro-food cases using Excel solver				
Finance				
International Marketing	Apr - Jun	4 - 8	Master	ESA Angers
Food products merchandising	Sep	4		

ENVIRONMENTAL SCIENCE

	Ideal Period	Teaching Hours	Level	Institution
Organic farming and preservation of environmental resources	TBD	8	Master	ISA Lille
Toxicology - Ecotoxicology - environmental risk assessment				
Phyto remediation				
Polluted sites management				
Human risk assessment				
GIS				
Pollutants: origins, behaviour, pollutants chemistry		8 - 12		