

PROPOSAL OF FACULTY EXCHANGE -YEAR 2014/2015

Call for incoming international faculty at FESIA

Course	Nb of teaching hours	Period	Level	Language	FESIA Institute	Contact
AGRICULTURE AND RURAL DEVELOPMENT						
Current challenges of mountain agriculture	8h	February	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Diversification strategies in mountain areas (focus on one or two examples)	8h	February	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Agri-food production chains in mountainous areas and public policies	8h	February	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Territorial resources of mountainous areas	8h	February	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Promotion of food produce from mountainous areas and European policies	8h	February	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Mountain cheese production chains: context, history and prospects	8h	February	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Agritourism in mountain areas: public policies and the role of local authorities	8h	February	Graduate	English	ISARA-Lyon	mpobel@isara.fr
AGRONOMY AND AGROECONOMY						
Basics in viticulture and enology: plant physiology, vine management, main vine disease and pests, grape ripening and quality, basics on wine making and enology	15-20h	8th to 12th September 2014	Graduate.	English	ISARA-Lyon	mpobel@isara.fr
Grape and vine physiology and management	8h	Fall 2014	Graduate.	English	ISARA-Lyon	mpobel@isara.fr
Organic vinification and viticulture	8h	Fall	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Soil microbiology, mycchoryza...	8h	Fall	Graduate	English	ISARA-Lyon	mpobel@isara.fr
MARKETING AND MANAGEMENT						
International Marketing - case study	8 to 24h	Between Sept./Dec or March	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Management: Food chain analysis	8 to 16h	Between Jan./April	Graduate	English	ESA Angers	s.brochier@groupe-esa.com
Applied management: personnel management, team management, strategic management, conflict resolution, work motivation...	min. 8h	Between Sept./Dec	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Corporate Social Responsibility	min. 8h	Between Sept./Dec	Graduate	English	ISARA-Lyon	mpobel@isara.fr



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ENVIRONMENTAL SCIENCES						
Pedology and geology : Acquisition of basic/general skills	15 to 20h	September	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Hydrogeology : Acquisition of basic/general skills	15 to 20h	September	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Environmental law	15 to 20h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Specific laws through different countries	15 to 20h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Industrial water management, waste water treatment, water re-use...	15 to 20h	Between Oct./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Industrial waste water specific treatment	15 to 20h	Between Oct./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
General knowledge about air pollution	10 to 15 h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Air quality regulations and metrology	10 to 15 h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Exposure routes and uptake mechanisms by living organisms	15 to 20h	February	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Modification of pollutants in biotic matrix	15 to 20h	February	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Toxic and ecotoxic properties of pollutants	15 to 20h	February	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Integrate the constraints of a degraded ecosystem	10 to 15 h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Manage to implement ecological restoration techniques	10 to 15 h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
"Learn about physical and chemical remediation techniques, pros and cons of these ways of treatment..."	15 to 20h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Learn how to draw up a cost/benefit analysis in order to choose the most appropriate remediation way	15 to 20h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Manage the implementation of these remediation ways on site	15 to 20h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Know how to react in an environmental crisis situation (industrial accident...)	10 to 15 h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Environmental impacts of industrial activities, Environmental impact assessment, Environmental risk analysis	min. 8h	Between Sept./Dec.	Graduate	English	ISARA-Lyon	mpobel@isara.fr



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FOOD SCIENCES						
Process charts (Food industry)	6 to 8h	Between Jan./March	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Industrial risks management (Food industry)	15h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Integrated management systems (Food industry)	14h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Sustainable logistics (transportation) + focus on cold chain (Food industry)	6 to 8h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Supply chain management (Food industry)	8h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Food biochemistry	8h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Environmental management systems - ISO 14001 (Food industry)	15h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Environmental technologies (Food industry)	10h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Bioprocess (Metabolic Engineering & Fermentation Technology&Applications in food)	14 to16h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Organisation and human resources in production (Food industry)	6 to 8h	January	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Sustainable purchasing (Food industry)	8h	January	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Sustainable development and CSRconcept - ISO 26 000	6 to 10h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Unit operations (Food Industry)	8 to 12h	Between Sept./Dec.	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Principals of Winemaking and Wine Chemical Analysis	8 to 12h	Between Sept./Dec.	Undergraduate	English	EI Purpan	Djamel.haimoud@purpan.fr
Cellar Operations and Special Vinifications	8 to 12h	Between Sept./Dec.	Undergraduate	English	EI Purpan	Djamel.haimoud@purpan.fr
Wine Sensory Analysis	8 to 12h	Between Sept./Dec.	Undergraduate	English	EI Purpan	Djamel.haimoud@purpan.fr
Wine communication and Marketing	8 to 12h	Between Sept./Dec.	Undergraduate	English	EI Purpan	Djamel.haimoud@purpan.fr
Management: Food chain analysis	8 to16h	Between Jan./April	Graduate	English	ESA Angers	s.brochier@groupe-esa.com
South world wine markets: international markets approach, understanding of local contexts in these countries	8 to15h	Between Nov./Dec.	Graduate	English	ISARA-Lyon	mpobel@isara.fr
Organic wine markets	8 to15h	Between Nov./Dec.	Graduate	English	ISARA-Lyon	mpobel@isara.fr



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ANIMAL SCIENCE						
Farm animal health: Management of diseases: definitions (zoonosis, pandemic..) , organization of the management of infectious diseases (OIE, WAHIS), analysis of the management of crisis (avian influenza, FCO), description of some important infectious or listed diseases	4 to 12h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Infectious diseases in pig and poultry	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Infectious diseases in ruminants	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Mastitis (description, risk factors, costs,on-farm management...)	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Reproduction diseases in cattle	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Metabolic diseases in cattle	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Locomotion pathologies in cattle	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Management of parasites in ruminants/herbivores	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Veterinary drugs (description and on-farm use)	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: laboratory analyses (on-farm sampling, interpretation of results)	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Farm animal health: Tools to evaluate the cost of health on farm (global approach) veterinary costs, production loss...	4h	Between Mar./May	Graduate	English	ISA Lille	florence.malaise@isa-lille.fr
Animal production – specificity of a country	4 to 8h	Between Jan./Feb.	Graduate.	English	ISA Lille	florence.malaise@isa-lille.fr
Animal Welfare	4 to 8h	Between Sept./Dec.	Undergraduate	English	El Purpan	Djamel.haimoud@purpan.fr
Techno-economic diagnosis of productions (Dairy and Different Meats)	4 to 8h	Between Sept./Dec.	Undergraduate	English	El Purpan	Djamel.haimoud@purpan.fr
Animal Feeding	4 to 8h	Between Sept./Dec.	Undergraduate	English	El Purpan	Djamel.haimoud@purpan.fr

SCIENCES

Intercultural communication and international team building	8-15h	12 /30 Sep. 2014	Graduate	English	ISARA-Lyon	mpobel@isara.fr
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PROPOSAL OF FACULTY EXCHANGE YEAR 2014/2015

FESIA teaching offer (Outgoing)

FOOD SCIENCES					
Course	Nb of teaching hours	Period	Level	Language	Contact
Quality and typicity of food: methodology for characterisation and application for fruits and wine	6h	to be discussed	Graduate	French, English, Italian	s.brochier@groupe-esa.com
Concept and management of "Terroir"; Application in the wine sector	6h	to be discussed	Graduate	French, English, Italian	s.brochier@groupe-esa.com
Perception of terroir and environment by consumers	3h	to be discussed	Graduate	French, English, Italian	s.brochier@groupe-esa.com
Methodology of sensory analysis for wine and food products	4-15h	Between Sept .Dec. or February	Graduate	French, English	s.brochier@groupe-esa.com
Typicity of products and "Terroir "concept	5-15h	Between Sept .Dec. or February	Graduate	French, English	s.brochier@groupe-esa.com
Wine and grape polyphenols	2-7h	Between march/ June	Graduate	French, English	s.brochier@groupe-esa.com
Analysis method and quality of grape	4-15h	Between march/ June	Graduate	French, English, Spanish	s.brochier@groupe-esa.com
Oenology	5-30h	Between march/ June	Graduate	French, English, Spanish	s.brochier@groupe-esa.com
Food quality: allergens, introduction to quality management systems, aflatoxins	5-8h	Between April/May	Graduate	English	mpobel@isara.fr
Food safety , HACCP	5-8h	April, May 2014	Graduate	English	mpobel@isara.fr
Food Safety	8 to 24 h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
HACCP - Risk analysis	8 to 24 h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
Food ingredients: focus on preservatives	6 to 8 h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
Nutrition & Health	10 to 12	Between Jan./July	Graduate	French or English	florence.malaise@isa-lille.fr
Prokaryotic versus Eukaryotic cells	6 h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
Basics in Virus and Bacteria	6 h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
From genotype to phenotype	6 h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
Structure and functions of chromosomes	6 h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
Molecular methods used in research and analysis laboratories	6 h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr



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FESIA teaching offer (Outgoing) (suite)

Course	Nb of teaching hours	Period	Level	Language	Contact
AGRONOMY AND AGROECONOMY					
Multicriteria evaluation of cropping systems.	8-12h	to be discussed	Graduate	French, English	s.brochier@groupe-esa.com
Innovation in cropping systems	8-12h	to be discussed	Graduate	French, English	s.brochier@groupe-esa.com
Introduction to Agro ecology: Overview of agro ecological approaches	2h	to be discussed	Graduate	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	Graduate	French	s.brochier@groupe-esa.com
Mimic theory: to be inspired from nature to design innovative cropping systems	2h	to be discussed	Graduate	French, English	s.brochier@groupe-esa.com
The use of Biodynamie in viticulture	4-8h	Between May/Jan.	Graduate	French, English	s.brochier@groupe-esa.com
The use of Silica in agriculture	4-8h	Between May/Jan.	Graduate	French, English	s.brochier@groupe-esa.com
Interactions of plants with their environment	10H - 20 H	Between Aug./Oct.r	Graduate	French or English	florence.malaise@isa-lille.fr
Farm bill in USA	4 to 15h	Between Jan. /April or June/July	Graduate	French or English	florence.malaise@isa-lille.fr
Objectives , principles and analysis of the CAP from ROME treaty to Multiannual Finance Framework of 2014-2020	4 to 15h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
European construction and governance	4 to 15h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr



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Course	Nb of teaching hours	Period	Level	Language	Contact
ENVIRONMENTAL SCIENCES					
Ecotoxicology	4 to 15h	to be discussed	Undergrad./Graduate	French or English	florence.malaise@isa-lille.fr
Human risk assessment	4 to 15h	to be discussed	Undergrad./Graduate	French or English	florence.malaise@isa-lille.fr
Soil quality investigation	4 to 15h	to be discussed	Undergrad./Graduate	French or English	florence.malaise@isa-lille.fr
Pollution diagnosis in soils and groundwater	4 to 15h	to be discussed	Undergrad./Graduate	French or English	florence.malaise@isa-lille.fr
Environmental risk assessment	4 to 15h	to be discussed	Undergrad./Graduate	French or English	florence.malaise@isa-lille.fr
Bioremediation and phytoremediation	4 to 15h	to be discussed	Undergrad./Graduate	French or English	florence.malaise@isa-lille.fr

MANAGEMENT					
International marketing	4-8h	Between April/June	Graduate	French, English	s.brochier@groupe-esa.com
Food products Merchandising	4-8h	Between April/June	Graduate	French, English	s.brochier@groupe-esa.com
Marketing case study (2 teachers)	8 to 24h	to be discussed	Graduate	French or English	florence.malaise@isa-lille.fr
SAP ERP : introduction to SD, MM, PP, WM	24 h	to be discussed	Graduate	French, English, Italian	florence.malaise@isa-lille.fr

ANIMAL SCIENCE					
Animal behaviour and animal welfare	8 to 28h	Between Jan. /April or June/July	Graduate	French or English	florence.malaise@isa-lille.fr
Livestock housing and animal welfare	8 to 20h	Between Jan. /April or June/July	Graduate	French or English	florence.malaise@isa-lille.fr