

Welcome

a JUNIA visiting professor in



HEALTH AND
ENVIRONMENT



SMART SYSTEMS
AND ENERGIES



BUSINESS AND
MANAGEMENT



AGRICULTURE
AND LANDSCAPE



ELECTRONICS,
PHYSICS AND
ACOUSTICS



BUILDING
AND URBAN
ENVIRONMENT



COMPUTER
SCIENCE AND
MATHEMATICS



FOOD
SCIENCES



ENGINEERING



**Blended learning
and online teaching
encouraged**



**Language of Instruction:
English, French**



**Mobility periods are eligible
for ERASMUS+ funding**



**Meals and lodging to
organize and cover for the
staff member**



**Interested people should get in contact
with international.cooperation@junia.com**

*If you have questions concerning a course, the international
office can put you in contact with the relevant academic staff.*



JUNIA.COM

outgoing teaching offer

year 2025.2026



Number of
teaching hours



Ideal
Period



Level




Language




Blended/Virtual
mobility

HEALTH AND ENVIRONMENT

	Personalized and predictive medicine for cancer and parasitosis treatments	20-30h	Between Jan. and Sept.	Master	English	Face to face
	Monitoring of environmental pollutants / soil & GW quality investigation	8-12h	To be discussed	Master	French, English	Open to discussion
	Contaminated land issues / polluted sites management / remediation techniques	8-12h	To be discussed	Master	French, English	Open to discussion
	Soil ecology and ecosystem services	8-12h	To be discussed	Master	French, English, Spanish	Open to discussion
	Gentle remediation techniques: phytoremediation/ phytomanagement	8-12h	To be discussed	Master	French, English, Spanish	Open to discussion
	Pollutants: origins, behaviour, pollutants chemistry	8-12h	To be discussed	Master	French, English, Spanish	Open to discussion
	Drinking water treatment techniques	8-12h	To be discussed	Master	French, English	Open to discussion
	Water quality and Chemistry	8-12h	To be discussed	Master	French, English	Open to discussion
	CSR - EMAS	4-8h	Second semester	Master	French, English	Open to discussion

BUSINESS AND MANAGEMENT

	BtoB marketing	8-20h	To be discussed	BSc3, Master	English, French or Spanish	Open to discussion
	Supply Chain Management	10-12h	From March to April	Master	English, French or Spanish	Open to discussion
	Enterprise systems (introduction to ERP, criteria for ERP selection) - blended learning (with hands-on learning)	8-16h	To be discussed	BSc3, Msc	French, English	no
	Marketing applied to food product development: a French case study	8-20h	To be discussed	BSc3, Master	French, English	Open to discussion
	Market data analysis through consumer panel and retail scanner panel: a French case study	4-8h	To be discussed	Master	French, English	Open to discussion
	Market research: surveys	4-8h	To be discussed	BSc3, Master	French, English	Open to discussion
	Introduction to marketing (extracts)	4-12h	To be discussed	BSc3, Master	French, English	Open to discussion
	Event studies / études d'événements (finance) French or US case study	4-8h	To be discussed	BSc3, Master	French, English	Open to discussion
	Business start-ups and financing /La création d'entreprise et le financement des start-up	4-8h	To be discussed	BSc3, Master	French, English	Open to discussion
	Budget Management / La gestion budgétaire	4-8h	To be discussed	BSc3, Master	French, English	Open to discussion
	Investment choice / Le choix d'investissement	4-8h	To be discussed	BSc3, Master	French, English	Open to discussion

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BUSINESS AND MANAGEMENT

	Full cost method / La méthode des coûts complets	4-8h	To be discussed	BSc3, Master	French, English	Open to discussion
	Corporate Governance / La gouvernance d'entreprise	4-8h	To be discussed	BSc3, Master	French, English	Open to discussion
	Idea generation (new enterprises)	4-8h	To be discussed	BSc3, Master	English	Open to discussion
	Fintech (financial technology) introduction	4-8h	To be discussed	BSc3, Master	English	Open to discussion
	Financial management (entreprises and start-ups)	4-8h	To be discussed	BSc3, Master	English	Open to discussion
	Foreign Direct Investment	4-8h	To be discussed	BSc3, Master	English	Open to discussion
	The foreign exchange market	4-8h	To be discussed	BSc3, Master	English	Open to discussion
	The international monetary system	4-8h	To be discussed	BSc3, Master	English	Open to discussion
	The global capital market	4-8h	To be discussed	BSc3, Master	English	Open to discussion
	Introduction to Enterprise Risk Management	4-8h	To be discussed	BSc3, Master	English	Open to discussion
	Introduction to the agri-food sector in Europe	4-8h	To be discussed	BSc3, Msc	French, English	no

AGRICULTURE AND LANDSCAPE

	Plant Breeding and Genetics (Breeding methods and Biotechnologies used in Plant Breeding)	8h	To be discussed	Master	French, English	Open to discussion
	Biocontrol for Sustainable Crop Protection (Biocontrol of plant pathogens using microorganisms and natural substances; Plant immunity and induced resistance in plants against plant pathogens)	8h	To be discussed	Master	French, English	Open to discussion
	French livestock systems	2-8h	To be discussed	Master	French, English	Open to discussion
	Milk production and dairy chain	4-12h	To be discussed	Master	French, English	Open to discussion
	Quality signs in agricultural products in France	4-8h	To be discussed	Master	French, English	Open to discussion
	Agriculture and climate change (climate collage serious game 4h + impacts of CC on agriculture in France 4h)	8h	To be discussed	BSc 3, Master	English, French	Open to discussion
	livestock production systems and animal welfare	3-4h	To be discussed	BSc 3, Master	English, French	Open to discussion
	Animal welfare	4-12h	To be discussed	BSc 3, Master	English, French	Open to discussion
	Climate fresk	3h	To be discussed	BSc, Master	English, French	no
	Overview of French agricultural practices: current situation/CAP/crop fertilization/industrial crops	16h	Oct. - Nov.	Master1	French	Face to face
	2 tons workshop	3-3h30	To be discussed	BSC, Master, staff	French, English	Open to discussion
	One-health workshop	3h	To be discussed	Master, staff	French, English	Open to discussion

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FOOD SCIENCES

	Food Safety Management Systems	8-16h	To be discussed	MSc	French, English	no
	HACCP and Prerequisite programs	8-16h	To be discussed	BSc3, Msc	French, English	no
	Sensory Evaluation	8-24h	To be discussed	MSc	French, English	no
	Nutrition applied to food companies, French gastronomy	8-16h	To be discussed	MSc	English, French	no
	Design of experiments	12-24h	To be discussed	MSc	French, English	no
	Dairy processings	4-8h	To be discussed	BSc3, Msc	French, English	no
	Food and industrial fermentation	4-12h	To be discussed	MSc	French, English	no
	Unit Operations	8-16h	To be discussed	BSc3, Msc	French, English	no
	Introduction to ERP (using a SAP simulation game)	8-16h	To be discussed	BSc3, Msc	French, English	no
	Introduction to the agri-food sector in Europe	4-8h	To be discussed	BSc3, Msc	French, English	no
	Introduction R&D and innovation	8-16h	To be discussed	BSc3, Msc	French, English	no
	Brewing process	4 to 8h	to be discussed	BSc3 or MSc	French, English	no
	Supply chain serious game (from forecasts to information systems)	8 to 16h	to be discussed	BSc3 or MSc	French, English	no
	Six sigma serious game	8h	to be discussed	BSc3 or MSc	French, English	no

BUILDING AND URBAN ENVIRONMENT

	Sustainable architecture / construction	4-8h	To be discussed	BSC3, Master	French, English	open to discussion
	Architecture History Culture	4-8h	To be discussed	BSC3, Master	French, English	open to discussion
	Smart cities and smart building	10h	To be discussed	Master	English,French	open to discussion
	Building Information Modeling (BIM) fundamentals	8-15h	To be discussed	BSC3, Master	English,French	open to discussion
	Smart Management System	8-15h	To be discussed	BSC3, Master	English, French	open to discussion
	Revit Software	20-25h	To be discussed	BSC3, Master	English, French	open to discussion
	Digital Twins (DT)	4-8h	To be discussed	BSC3, Master	English,French	open to discussion
	Functional textiles	8h	To be discussed	Master	English,French	open to discussion
	Technical & smart textiles	8h	To be discussed	BSC3, Master	English,French	Open to discussion
	Fibrous materials	8h	To be discussed	BSC2,BSC3, Master	English,French	Open to discussion
	Advanced technical textile	8h	To be discussed	Master	English, French	Open to discussion
	Waste Management and Circular Economy in Civil Engineering	6-8h	To be discussed	BSC3, Master	English, French	open to discussion
	Sustainable Engineering and Green Construction	8h	To be discussed	BSC3, Master	English, French	open to discussion

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COMPUTER SCIENCE AND MATHEMATICS

	Applications of Markov Chains and Random Processes	8-12h	To be discussed	BSc2, BSc3, Master	French, English	Open to discussion
	Modern Cryptography (elliptic curves, post-quantum...)	8-12h	To be discussed	Master	French, English	Open to discussion
	Pentesting	8-20h	To be discussed	Master	French, English	Open to discussion
	Modeling Techniques in Mixed-Integer Linear Programming	8h	To be discussed	BSc3, Master	French, English	no
	AI: Machine Learning and Deep Learning	8h	Nov./Dec./April/May	Master	English	no
	AI: Reinforcement Learning	8h	Nov./Dec./April/May	Master	English	no
	Computer Vision	8h	Nov./Dec./April/May	Master	English	no
	Hardware AI: CUDA programming	8h	Nov./Dec./April/May	Master	English	no
	Generative AI and LLM	8h	Nov./Dec./April/May	Master	English	No

SMART SYSTEMS AND ENERGIES

	Photovoltaic system sizing, implementation, control and production forecast	8-12h	March to July	BSc3 or Master	French or English	No
	Advanced Fluid Dynamics	15-20h	To be discussed	Master	English	Open to discussion
	Advanced Heat Transfer	15-20h	To be discussed	Master	English	Open to discussion
	Renewable Energy Systems (1)	8-12h	March to July	Master	French, English	No
	Renewable Energy Systems (2)	8-12h	To be discussed	Master	English	Open to discussion
	Smart grids, Energy management, P2P energy exchange (1)	8-12h	To be discussed	Bsc3, Master	French, English	Open to discussion
	Smart grids, Energy management, P2P energy exchange (2)	8-12h	To be discussed	Bsc3, Master	English	Open to discussion
	Thermodynamic 1	8-12h	To be discussed	BSc3	English	Open to discussion
	Thermodynamic 2	8-12h	To be discussed	BSc3	English	Open to discussion
	Structural mechanics (Strength of Material)	8-12h	To be discussed	BSc3	English	Open to discussion
	Dynamics	8-12h	To be discussed	BSc3	English	Open to discussion
	Internal combustion Engine (ICEs)	8-12h	To be discussed	BSc3, MSc	English	Open to discussion
	Mechanical Design	8-12h	To be discussed	BSc3	English	Open to discussion
	Blockchain and energy	8-12h	To be discussed	Master	French, English	Open to discussion
	Power system modeling and simulation (NEW)	12-16h	March to July	Master	French, English	No
	Intelligent Load Control and Management in Smart Power Networks (NEW)	8-12h	To be discussed	Bsc3, Master	English	Open to discussion



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