



**Courses open to International Exchange students
at AgroSup Dijon**

Agricultural Engineering programme

Autumn Semester Level 4

LEVEL 4 / 1 st semester		AGRICULTURAL PROGRAMME <u>IN FRENCH LANGUAGE</u>				
Name of Teaching Unit	Module	Objectives	Hours of face-to-face per student	Hours of personal work	Total hours per student	ECTS credits
Project	Project management – Communication Techniques	To understand how to manage a project and use communication techniques.	14	5	19	6
	Group project -	To carry out group work on a subject-question originating from a professional body outside of AgroSup Dijon and possibly involving various aspects scientific, technical, economical and sociological. The work will involve literature reviews, report writing and oral presentations.	76	25	101	
Core courses	Economics of agro-food chains	To understand that companies involved in the production, processing and marketing of food products are integrated into a chain which supplies products to the final consumer. Students will learn how to build a diagram of chain and analyze its economic operation.	16	8	24	6
	French for foreigners		15	8	23	
	Optional module (to be chosen upon arrival at AgroSup Dijon and according to availabilities)		24	12	36	
	Sport		20	-	20	
Agronomy courses	Agricultural engineering : Advanced Technologies for Precision Farming	To gain a general knowledge of technology, its functions and its uses in precision farming.	30	15	45	18
	Geographic information system	Getting to know the different Geographic Information System, their potential and limits.	20	10	30	
	analysis and conception of a data base	Being able to define, according the futur user's needs, interpretate them, and set up a modelization UML (Unified Modeling Language)and conception of a data base.	20	10	30	

	Animal production	To analyze an animal production operating site: with an overview of different aspects such as feed, reproduction, selection, housing, main pathologies.	34	16	50	
	Agricultural Systems	To understand and control agronomy engineering tools with a view to evaluating and conceiving multiple scale agricultural systems (from training lots to catchment areas, agricultural regions). The main skills: agronomic diagnostics, experimentations, modelisation (physical, chemical and biological compounds)... Management of relations between agricultural and production systems (animal waste, water quality....).	40	20	60	
	Agricultural and environmental policies	To know about international agricultural negotiations and policies, and analyze the cost advantages of environmental policies.	22	10	30	
	Study of an agricultural sub-sector	To understand and analyze one of the following industries: cheese, meat, burgundy wine, blackcurrant liqueur..	70	15	85	
TOTAL			401	154	553	30