

### Syllabus MSc Agrofood Chain

SEMESTER	MODULES	Number of ECTS credits	Format of the course (in hours of class lecture L, tutored work TW, personal work PW, visits V)
<b>First year M1 Semester 1 (Sept – Dec)</b>  <b>30 ECTS credits</b>	Discovery of a food supply chain: French wine making	2	2 L + 15 TW + V
	Introduction to the analysis of agrofood chains: concepts and methods	4	18 L + 12 TW
	System analysis, sustainability and case study of an agrofood chain	5	8 L + 27 TW + V
	Methodology (Level I)	3	35 TW
	Fundamentals of agronomy	2	25 L + 15 PW
	Fundamentals of ecology	2	25 L + 15 PW
	Fundamentals of economics	2	25 L + 15 PW
	Fundamentals of molecular biology and food safety	2	25 L + 15 PW
	Multidisciplinary problem resolution project	4	8 L + 20 TW + 30 PW + V
	Communication in English (Level I)	2	15 TW + 10 PW
Communication in French (Level I)	2	15 TW + 10 PW	
<b>First year M1 Semester 2 (Jan – June)</b>  <b>30 ECTS credits</b>	Organization, governance and performances of agrofood chains	4	20 L + 20 TW + 35 PW + V
	Rural development and local agrofood chains	4	40 L + 35 TW + V
	Agroecology	4	40 L + 35 PW + V
	Value enhancement of plant biotic resources	4	40 L + 35 TW
	Methodology (Level II) and global seminar	4	55 TW + 20 PW

	Communication in English (Level II)	2	15 TW + 10 PW
	Communication in French (Level II)	2	15 TW + 10 PW
	2-month internship in enterprise or research lab / OR / Research essay, in May-June Oral defense first week of July	6	
<b>Second year M2 Semester 3 (Sept – Jan)</b>  <b>30 ECTS credits</b>	Food safety and the management of risk and uncertainty in agrofood chains	4	30 L + 20 TW + 25 PW
	Nutrition and sustainable food systems	4	30 L + 20 TW + 25 PW
	Advanced course in microbiology	3	25 L + 20 TW
	Advanced course in agroecology	3	25 L + 20 TW + V
	Advanced course in agricultural economics	3	25 L + 20 TW + V
	Methodology (Level III)	2	25 TW
	Multidisciplinary research project	3	4 L + 35 PW
	Project management	2	20 L + 20 PW
	Group tutored project	6	8 L + 45 TW + V
<b>Second year M2 Semester 4 (Feb – July)</b>  <b>30 ECTS credits</b>	5-month internship in enterprise or research lab / OR / Research essay, from beginning of January to end of June Oral defense first week of July	30	