

Joint Curriculum Study Plan of the PLANT-Int program

at UGA (Grenoble)

at UNIMI (Milano)

student choice

Semester	TITLE	ECTS	Course Scientific Sectors	
1	Compulsory course	Introduction to Plant development and Signal transduction	6	BIO/01
1	Compulsory course	Evolutionary Biology of Plants	6	BIO/02
1	Compulsory course	Strategies in Experimental biology	12	BIO/04 BIO/10 BIO/11 E
1	Choose 1 out of 6 (E)	E Entrepreneurship in Science & Scientific English	6	SECS-P/07 SECS-P/09 L-L
1	Choose 1 out of 6 (E)	E Entrepreneurship in Science & Italian language**	6	
1	Choose 1 out of 6 (E)	E Entrepreneurship in Science & French language	6	SECS-P/07 SECS-P/09 L-L
1	Choose 1 out of 6 (E)	E Communication tools & Scientific English	6	SPS/08 L-LIN/12
1	Choose 1 out of 6 (E)	E Communication tools & Italian Language**	6	
1	Choose 1 out of 6 (E)	E Communication tools & French Language	6	SPS/08 L-LIN/04
		Total compulsory activity	24	
		Student Choice	6	
		Total ECTS for semester 1	30	
2	Compulsory course	Plant development	6	BIO/01
2	Compulsory course	Plant Signal transduction	6	BIO/04
2	Other compulsory activities	Laboratory stage	6	
2 or 4	choose 1 out of 2 (A)	A Plant ecology	6	BIO/02
2 or 4	Choose 1 out of 8 (B)	B Advanced Plant Cell Biotechnology	6	BIO/04 BIO/18
2 or 4	Choose 1 out of 3 (C)	C Plant metabolic engineering and Nutrigenomics	6	BIO/13
2 or 4	Choose 1 out of 4 (D)	D Basic Statistics and Experimental design	6	SECS-S/02 AGR/02
2 or 4	Choose 1 out of 4 (D)	D Development of crop Ideotypes	6	AGR/07
		Total compulsory activity	18	
		Student Choice	12	
		Total ECTS for semester 2	30	
3	choose 1 out of 2 (A)	A EvoDevo and the green lineage	6	BIO/02
3	Choose 1 out of 8 (B)	B Epigenetics and cell differentiation	6	BIO/18
1 or 3	Choose 1 out of 8 (B)	B Chemistry and Cellular Biochemistry	6	BIO/10
1 or 3	Choose 1 out of 8 (B)	B Molecular genetics and epigenetics of the cell	6	BIO/18
3	Choose 1 out of 8 (B)	B Photobiology and bioenergy	6	BIO/04 BIO/18
3	Choose 1 out of 8 (B)	B Functional genomics	6	BIO/18
3	Choose 1 out of 8 (B)	B Molecular bioinformatics	6	BIO/11
3	Choose 1 out of 8 (B)	B Molecular plant breeding and Genetics	6	BIO/18
3	Choose 1 out of 3 (C)	C High-throughput Biology	6	BIO/13
3	Choose 1 out of 3 (C)	C Patenting and technology transfer	6	IUS/4 IUS/10
3	Choose 1 out of 4 (D)	D Environmental plant biochemistry and Physiology	6	AGR/13
3	Choose 1 out of 4 (D)	D Molecular and Cellular Imaging	6	FIS/07 FIS/03
3	Other compulsory activities	Internship I	12	
3	FREE CHOICE COURSES		6	
		Total compulsory activity	12	
		Student Choice	18	
		Total ECTS for semester 3	30	
4	Other compulsory activities	Intership II and final exam	24	
4	FREE CHOICE COURSES		6	
		Total compulsory activity	24	
		Student Choice	6	
		Total ECTS for semester 4	30	
		TOTAL ECTS	120	