

## Joint Curriculum Study Plan of the PLANT-Int program

at UGA (Grenoble)

at UNIMI (Milano)

student choice

Semester	TITLE	ECTS	Course Scientific Sectors	
1	<b>Compulsory course</b>	Introduction to Plant development and Signal transduction	6	BIO/01
1	<b>Compulsory course</b>	Evolutionary Biology of Plants	6	BIO/02
1	<b>Compulsory course</b>	Strategies in Experimental biology	12	BIO/04 BIO/10 BIO/11 E
1	Choose 1 out of 2 (E)	E Entrepreneurship in Science & Scientific English	6	SECS-P/07 SECS-P/09 L-L
1	Choose 1 out of 2 (E)	E Communication tools & Scientific English	6	SPS/08 L-LIN/12
		<b>Total compulsory activity</b>	<b>24</b>	
		<b>Student Choice</b>	<b>6</b>	
		<b>Total ECTS for semester 1</b>	<b>30</b>	
2	<b>Compulsory course</b>	Plant development	6	BIO/01
2	<b>Compulsory course</b>	Plant Signal transduction	6	BIO/04
2	<b>Other compulsory activities</b>	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 4 (C)	C Plant metabolic engineering and Nutrigenomics	6	BIO/13
1 or 3	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
2 or 4	Choose 1 out of 8 (B)	B Molecular plant breeding and Genetics	6	BIO/18
		<b>Total compulsory activity</b>	<b>18</b>	
		<b>Student Choice</b>	<b>12</b>	
		<b>Total ECTS for semester 2</b>	<b>30</b>	
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
	Choose 1 out of 4 (C)	C Biostatistic, Bioinformatics and Modeling	6	BIO/13
3	Choose 1 out of 4 (C)	C High-throughput Biology	6	BIO/13
3	Choose 1 out of 4 (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	<b>Other compulsory activities</b>	Internship I	12	
3	<b>FREE CHOICE COURSES</b>		6	
		<b>Total compulsory activity</b>	<b>12</b>	
		<b>Student Choice</b>	<b>18</b>	
		<b>Total ECTS for semester 3</b>	<b>30</b>	
4	<b>Other compulsory activities</b>	Intership II and final exam	24	
4	<b>FREE CHOICE COURSES</b>		6	
		<b>Total compulsory activity</b>	<b>24</b>	
		<b>Student Choice</b>	<b>6</b>	
		<b>Total ECTS for semester 4</b>	<b>30</b>	
<b>TOTAL ECTS</b>			<b>120</b>	