

1- Semester 1:

Teaching Unit (TU)	HVS	HV weekly			HVS	Coefficient	Credits
	14-16 weeks	Course	Tutorials	Practical work	Others		
Fundamentals TU	202h.30	112h.30	22h.30	67h.30	247h.30	09	18
FTU1 (O/P): Plant Biology							
Subject 1: Botany and Systematics of higher plants of economic interest	45h.00	01h.30		01h.30	55h.00	02	04
Subject 2: Plant – Environment Interaction	45h.00	01h.30		01h.30	55h.00	02	04
Subject 3: Plant – Microorganism Interaction	45h.00	01h.30		01h.30	55h.00	02	04
FTU2 (O/P): Molecular Genetics							
Subject 1: Plant Genetics	22h.30	01h.30			27h.30	01	02
Subject 2: Molecular Biology	45h.00	01h.30	01h.30		55h.00	02	04
Methodology TU	105h.00	45h.00	45h.00	15h.00	120h.00	05	09
MTU (O/P): Biomathematics and Bioinformatics							
Subject 1: Bioinformatics	60h.00	01h.30	01h.30	01h.00	65h.00	03	05
Subject 2: Statistics and modeling	45h.00	01h.30	01h.30		55h.00	02	04
Discovery TU	45h.00	45h.00			05h.00	02	02
DTU (O/P): Scientific writing							
Subject 1: Scientific English	22h.30	01h.30			02h.30	01	01
Subject 2: Bibliographic references and articles writing	22h.30	01h.30			02h.30	01	01
Cross-Disciplinary TU	22h.30	22h.30			02h.30	01	01
CRTU (O/P): Communication							
Subject 1: Communication	22h.30	01h.30			02h.30	01	01
Total Semester 1	375h.00	225h.00	67h.30	82h.30	375h.00	17	30

2- Semester 2:

Teaching Unit (TU)	HVS	HV weekly			HVS	Coefficient	Credits
	14-16 weeks	Course	Tutorials	Practical work	Others		
Fundamentals TU	202h.30	112h.30	45h.00	45h.00	247h.30	09	18
FTU1 (O/P): Plant Biotechnology							
Subject 1: Plant Biotechnology and Plant Breeding	67h.30	03h.00		01h.30	82h.30	03	06
Subject 2: Plant transgenesis	45h.00	01h.30	01h.30		55h.00	02	04
FTU2 (O/P): Plant Genomics							
Subject 1: Structural genomics	45h.00	01h.30	01h.30		55h.00	02	04
Subject 2: Functional Genomics	45h.00	01h.30		01h.30	55h.00	02	04
Methodology TU	105h.00	45h.00	37h.30	22h.30	120h.00	05	09
MTU (O/P): Laboratory Techniques and Molecular Biology							
Subject 1: Laboratory techniques in molecular biology	60h.00	01h.30	01h.00	01h.30	65h.00	03	05
Subject 2: Model plants	45h.00	01h.30	01h.30		55h.00	02	04
Discovery TU	45h.00	22h.30	22h.30		05h.00	02	02
DTU (O/P): Experimental approach in biology							
Subject 1: Experimental approach in biology	45h.00	01h.30	01h.30		05h.00	02	02
Cross-Disciplinary TU	22h.30	22h.30			02h.30	01	01
CRTU (O/P): Legislation							
Subject 1: Legislation	22h.30	01h.30			02h.30	01	01
Total Semester 2	375h.00	202h.30	105h.00	67h.30	375h.00	17	30

3- Semester 3:

Teaching Unit (TU)	HVS	HV weekly			HVS	Coefficient	Credits
	14-16 weeks	Course	Tutorials	Practical work	Others		
Fundamentals TU	202h.30	135h.00	67h.30		247h.30	09	18
FTU1 (O/P): Plant genetic improvement							
Subject 1: Methodology of plant genetic improvement	67h.30	03h.00	01h.30		82h.30	03	06
Subject 2: Genomic approach to plant genetic improvement	67h.30	03h.00	01h.30		82h.30	03	06
Subject 3: Plant Biodiversity and Conservation	67h.30	03h.00	01h.30		82h.30	03	06
Methodology TU	105h.00	67h.30	37h.30		120h.00	05	09
MTU (O/P): Plant products and Bioindustry							
Subject 1: Biology of plant products and Bioindustry	60h.00	03h.00	01h.00		65h.00	03	05
Subject 2: Research/industry interface and technological monitoring	45h.00	1h.30	01h.30		55h.00	02	04
Discovery TU	45h.00	22h.30	22h.30		05h.00	02	02
DTU (O/P): Organization and Promotion of Scientific Research							
Subject 1: Organization and promotion of scientific research	45h.00	01h.30	01h.30		05h.00	02	02
Cross-Disciplinary TU	22h.30	22h.30			02h.30	01	01
CRTU (O/P): Entrepreneurship							
Subject 1: Entrepreneurship	22h.30	01h.30			02h.30	01	01
Total Semester 3	375h.00	247h.30	127h.30		375h.00	17	30

4- Semester 4:

	HVS	Coefficient	Credits
Personal Work (Bibliographic research, experimental part in the laboratory and writing of the dissertation)	450h.00	09	18
Internship in a company	225h.00	05	09
Seminars	75h.00	03	03
Total Semester 4	750h.00	17	30