

Plan studiów na kierunku *Agronomy*; Study plan for *Agronomy*

Subject	ECTS	Number of hours						Form of credit*	Education unit
		Total (4+5+6+7+8)	Classes			Others with teacher teacher	Students own work		
			Lectures	Exercises	Others				
1	2	3	4	5	6	7	8		9
Semester 1									
Crop Management	4	100	15	30		15	40	Z	Department of Agronomy
Data Processing and Experimental Design	4	100	15	30		15	40	Z	Department of Mathematical and Statistical Methods
Sustainable Crop Plants Fertilization	4	100	15	30		15	40	Z	Department of Agricultural Chemistry and Environmental Biogeochemistry
Economic and legal aspects of the company's activities	5	125	30	15		20	60	Z	Department of Law and Organization of Agribusiness Enterprises
Subject selected by students I	3	75	15	20		20	20	Z	
Subject selected by students I	3	75	15	20		20	20	Z	
M. Sc. Seminar I	4	100		30		25	45	Z	Department of Agricultural Chemistry and Environmental Biogeochemistry
Total	27	675	105	175		130	265		
Semester 2									
Biotechnology in Modern Agriculture	4	100	15	30		15	40	Z	Department of Biochemistry and Biotechnology
Plant Breeding	4	100	15	30		15	40	Z	Department of Genetics and Plant Breeding
Instrumental Analysis	4	100	15	30		15	40	Z	Department of Agricultural Chemistry and Environmental Biogeochemistry
Soil Biology and Chemistry	4	100	15	30		15	40	Z	Department of Soil Sciences and Land Protection, Department of Agricultural Chemistry and Environmental Biochemistry, Department of General and Environmental Microbiology
Subject selected by students II	3	75	15	20		20	20	Z	
Subject selected by students II	3	75	15	20		20	20	Z	
Subject selected by students II	3	75	15	20		20	20	Z	
M. Sc. Seminar II	4	100		30		25	45	Z	Department of Agronomy
Practical training (4 weeks)**	6	165				5	160	Z	

Total	35	890	105	210		150	425		
Semester 3									
Diagnostics of Plant Nutritional Disorders	4	100	15	30		15	40	Z	Department of Agricultural Chemistry and Environmental Biogeochemistry
Integrated Pest Management	4	100	15	30		15	40	Z	Department of Agronomy
Biomass Production and Management	4	100	15	30		15	40	Z	Department of Agronomy
Subject selected by students III	3	75	15	20		20	20	Z	
Subject selected by students III	3	75	15	20		20	20	Z	
Subject selected by students III	3	75	15	20		20	20	Z	
M. Sc. Seminar III	4	100		30		25	45	Z	Department of Agronomy
Total	25	625	90	180		130	225		
Semester 4									
Crop Protection in Practice	4	95		30		15	50	Z	Department of Agronomy
Subject selected by students IV	3	75	15	20		20	20	Z	
Subject selected by students IV	3	75	15	20		20	20	Z	
M. Sc. Seminar IV	3	75		30		15	30	Z	Department of Genetics and Plant Breeding
Preparing M.Sc. Thesis	20	510				60	450		
Total	33	830	30	100		130	570		
Overall total	120	3020	330	665		540	1485		

* with note

**practical training take place during semester 2 or during summer following semester 2

List of subjects selected by students

Student choose three of four optional subjects in I, II and III semesters, and two of three optional subjects in IV semester.

Subject	Semester	Education unit
Environmental Biochemistry	I	Department of Biochemistry and Biotechnology
Protection and Enhancement of Soil Productivity	I	Department of Soil Science and Land Protection
Plant Tissue and Cell Culture	I	Department of Genetics and Plant Breeding
Cytogenetics and Chromosome Engineering	I	Department of Genetics and Plant Breeding
Microbiology of Natural Environments	II	Department of General and Environmental Microbiology
Grassland Management	II	Department of Grassland and Natural Landscape Sciences
Biodiversity of Agricultural Ecosystems	II	Department of Grassland and Natural Landscape Sciences
Molecular Plant Physiology	II	Department of Biochemistry and Biotechnology
Resistance Breeding of Plants	II	Department of Genetics and Plant Breeding
Nutrient Recycling and Biowastes	III	Department of Agricultural Chemistry and Environmental Biogeochemistry
Sustainable Agriculture on Peatland Ecosystems – Opportunities and Limitations	III	Department of Soil Science and Land Protection
Modern Aspects of Agricultural Microbiology	III	Department of General and Environmental Microbiology
Global Agriculture in a Changing World	III	Department of Agronomy
Molecular Plant Breeding	IV	Department of Genetics and Plant Breeding
Tillage Systems	IV	Department of Agronomy
Plant Biotechnology	IV	Department of Biochemistry and Biotechnology