

MSc in Agromomy

Poznań University of Life Sciences, Faculty of Agronomy and Bioengineering

Subject	ECTS	Number of hours						Education unit
		Total (4+5+6+7+8)	Classes			Others with 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	Department of Agronomy
Data Processing and Experimental Design	4	100	15	30		15	40	Department of Mathematical and Statistical Methods
Biomass Production and Management	4	100	15	30		15	40	Institute of Biosystems Engineering/Department of Agronomy
Sustainable Crop Fertilization	4	100	15	30		15	40	Department of Agricultural Chemistry and Environmental Biogeochemistry
Subjects selected by students I	4	100	15	30		15	40	
Subjects selected by students I	4	100	15	30		15	40	
M. Sc. Seminar I	3	75		30		10	35	
Practical training (4 weeks)	6	170				10	160	
Total	33	845	90	210		110	435	
Semester 2								
Biotechnology in Modern Agriculture	4	100	15	30		15	40	Department of Biochemistry and Biotechnology
Plant Breeding	4	100	15	30		15	40	Department of Genetics and Plant Breeding
Instrumental Analysis	4	100	15	30		15	40	Department of Agricultural Chemistry and Environmental Biogeochemistry

Soil Ecology and Biology	4	100	15	30		15	40	Department of Soil Science and Land Protection / Department of Agricultural Chemistry and Environmental Biogeochemistry/ Department of General and Environmental Microbiology
Subjects selected by students II	4	100	15	30		15	40	
Subjects selected by students II	4	100	15	30		15	40	
M. Sc. Seminar II	3	75		30		10	35	
Total	27	675	90	210		100	275	
Semester 3								
Innovations in Agriculture	4	100	15	30		15	40	
Subjects selected by students III	4	100	15	30		15	40	
Subjects selected by students III	4	100	15	30		15	40	
Subjects selected by students III	4	100	15	30		15	40	
M. Sc. Seminar III	4	110		30		20	60	
Preparing M.Sc. Thesis	10	250				50	200	
Total	30	760	60	150		130	420	
Overall total	90	2280	240	570		340	1130	

Subjects selected by students

Students choose two of six optional subjects in I and II semesters and three of nine optional subjects in III semester.

Subject	Semester	Education unit
Environmental Biochemistry	I	Department of Biochemistry and Biotechnology
Protection and Enhance the Productivity of the Soils	I	Department of Soil Science and Land Protection
Technologies in Environmental Protection	I	Institute of Biosystems Engineering
Plant Tissue and Cell Culture	I	Department of Genetics and Plant Breeding
Integrated Pest Management	I	Department of Agronomy
Diagnostics of Plant Nutritional Disorders	I	Department of Agricultural Chemistry and Environmental Biogeochemistry
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
Breeding for Plant Resistance	II	Department of Genetics and Plant Breeding
Crop Protection in Practice	II	Department of Agronomy
Biofuels	III	Institute of Biosystems Engineering
Modern Aspects of Agricultural Microbiology	III	Department of General and Environmental Microbiology
Tillage Systems	III	Department of Agronomy
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
Genetic Engineering	III	Department of Biochemistry and Biotechnology
Plant Genomics	III	Department of Biochemistry and Biotechnology
Molecular Plant Breeding	III	Department of Genetics and Plant Breeding
Cytogenetics and Chromosome Engineering	III	Department of Genetics and Plant Breeding