

Level of studies Msc

Program Name: Plant Protection

1. The main objective of the curriculum

The study program in Plant Protection aims to increase capacity, visibility, attractiveness and improve the position of students in the labor market by developing attractive curricula that meet market demands. It also allows the discussion of issues related to plant protection, the transfer of information and knowledge that promote economic development. Knowledge gained through the study program Plant Protection-Phytomedicine enables the application of knowledge and skills acquired during studies for the successful solution of complex problems in new or unfamiliar environments, especially in the scientific field of Plant Protection. This program aims to enable students to:

- a) in-depth scientific and technological knowledge to design and manage innovations in the protection of plants and plant products to improve the quality, quantity, hygiene and sanitary aspects of plant products especially through the application of MID;
- b) in-depth knowledge of plant pests (pests, pathogens, grasses) and other organisms, ecology, etiology and epidemiology of diseases, bio-ethology of pests;
- c) in-depth knowledge of non-parasitic diseases and their control;
- d) adequate knowledge to recognize plant diseases, pests, weeds and other organisms in practical terms;
- e) in-depth knowledge of the impact of agro-ecosystem components and cultural practices on plant pathogens, pests, grasses and other organisms;
- f) in-depth knowledge of technical means, natural, synthetic and biological plant protection products used for integrated and biological protection as well as prevention of possible negative effects of plant protection products.
- g) implement the curriculum through well-planned topics and learning activities based on the expected results,
- h) to plan lessons in accordance with the requirements of the curriculum,
- i) use different student-centered learning and assessment strategies;
- j) to prepare teaching materials and use digital media in the teaching process,
- k) to apply in-depth scientific knowledge in the field of Plant Protection in various scientific contexts.

2. Courses

Table 3. The overview of the program under the accreditation process

Year I						
Semester I			SST			
No.	C/E	Course	L	E	ECTS	Lecturer
1.	C	Integrated Course Experimental design and data analyses, Scientific Writing, Presenting and Publishing	2	2	6	Prof.Assis. Muhamet Zogaj Prof.dr. Muje Gjonbalaj
2.	C	Applied agriculture entomology	2	2	6	Prof.ass.Dr.Fadil Musa Msc. Saranda Musa
3.	C	Weed ecology	2	2	6	Prof.asoc.dr. Arben Mehmeti Msc. Rozafa Fetahaj
4.	C	Phytopathology	2	2	6	Prof.ass.dr. Fadil Musa Dr.sc. Mufail Salihaj Msc. Saranda Musa
5.	C	Principles of phytopharmacy (Chemistry and biochemistry of Plant Protection Products (PPPs))	2	2	6	Prof.Assis. Muhamet Zogaj Prof.asic. Arben Mehmeti
Semester II						
1	C	Agricultural Acarology and Nematology	2	2	6	Prof.ass.dr. Fadil Musa
2	C	Phytobacteriology and Virusology	2	2	6	Prof.ass.dr. Fadil Musa Msc. Saranda Musa
3	C	Weed management	2	2	6	Prof.asoc. dr. Arben Mehmeti Msc. Rozafa Fetahaj
4	E	Modules have to be selected to complete 6 credits	2	2	6	Prof.Assis. Muhamet Zogaj Prof.dr.Xhevdet Elezi Prof.ass.dr. Fadil Musa Prof.asoc.dr. Arben Mehmeti, Prof.aosc.dr. Mentor Thaqi
5	E	Modules have to be selected to complete 6 credits	2	2	6	Prof.Assis. Muhamet Zogaj Prof.dr.Xhevdet Elezi Dr.sc.Muhamet Zogaj Prof.ass.dr. Fadil Musa Prof.asoc.dr. Arben Mehmeti, Prof.aosc.dr. Mentor Thaqi
Semester III						
1	C	Breeding for resistance to pests and abiotic stress	2	2	6	Prof. dr. Sali Aliu
2	C	Biological control in agriculture and Biodiversity	2	2	6	Prof.ass.dr. Fadil Musa
3	C	Legislation in Plant protection	2	2	6	Prof.asoc.dr. Arben

						Mehmeti
4	C	Internship	2	2	6	Prof.Assis. Muhamet Zogaj Prof.ass.dr. Fadil Musa Prof.asoc.dr. Arben Mehmeti
5	E	Module have to be selected to complete 6 credits	2	2	6	Prof.Assis. Muhamet Zogaj Prof.ass.dr. Fadil Musa Prof.asoc.dr. Arben Mehmeti, Prof.aosc.dr. Mentor Thaqi
Semester IV						
1	C	Thesis work and elaboration	50	30	0	

Elective modules

Semester II and III			SST			
No.	E	Course	L	U	ECTS	Ligjërues
1.	E	Environment and Plant Interactions with Plant production products (PPPs)	2	2	6	Prof.Assis. Muhamet Zogaj
2.	E	Application of pesticides and equipments for plant protection	2	2	6	Prof.asoc.dr.Mentor Thaqi Prof.Assis. Muhamet Zogaj
3.	E	Urban entomology	2	2	6	Prof.ass.dr. Fadil Musa
4.	E	Diagnosis and Biotechnologies in Plant Pathology	2	2	6	Prof.ass.dr. Fadil Musa
5.	E	Agricultural phytocoenology	2	2	6	Prof.asoc.dr. Arben Mehmeti
6.	E	GIS and natural resources	2	2	6	Prof.dr. Xhevdet Elezi Dr.sc.Muhamet Zogaj Prof.asoc.dr. Arben Mehmeti

There are 6 elective modules, all together students have to obtain additional 18 ECTS, 12 ECTS from II semester and 6 ECTS from III semester = (90 ECTS + 30 ECTS the master work = 120 ECTS).

Legend: C-compulsory subjects; E- elective modules; SST-load in hours per week; L-Lectures; T- Exercises; ECTS Credit Transfer System in Europe.

3.Duration of studies: 2 Years (4 semesters) 120 ECTS

4. Employment opportunities and professional qualification

As there is no information system on the employment of students after their graduation, we are not able to give exact figures on this issue. However, based on informal sources we have almost 80% of graduate students in the plant protection profile have found work and practiced their profession. Graduate students are employed in the private and public sector such as private enterprises, Ministry of Agriculture, Forestry and Rural Development, Municipal Director, Customs, Vocational High Schools, financial institutions, local and international non-governmental organizations, etc. Currently, a significant proportion of Master's graduate students maintain relatively good connections with the Faculty of Agriculture and Veterinary Medicine (FBV).