

Level of studies Msc

Name of the program: Applied Animal Sciences

1. The main objective of the curriculum

The curriculum of the APPLIED ANIMAL SCIENCES program is based on the program of the Faculty of Biotechnology of the University of Ljubljana, and contains a list and structure of compulsory and elective courses and modules with their descriptions. Knowledge gained through the study program The sciences applied in zootechnics enable 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 fields applied in zootechnics. Upon completion of their studies, students will develop the following skills and competencies:

- a) good understanding of science and profession in this field;
- b) increasing the skills of students for modern methods of field research;
- c) training to conduct independent research on theoretical and practical problems in order to find innovative or improved solutions and implement them;
- d) training to work in teams and to establish professional communication in order to contribute to the development of science and profession;
- e) capacity for critical analysis and integration of knowledge gained in interdisciplinary modules.
- f) the ability to transfer knowledge and ideas to colleagues and the wider academic community and society at large;
- g) the ability to promote technological and social advancement in their professional environment.

2. Courses

Table 1. Information of study program in Applied Animal Sciences

Year 1 – Semester 1

Proposed study program					
	Name of subject	Hours week	ECTS	Status C/E	Teacher of subject
1	Biometry	2+2	6	C	Dr.sc.Muhamet Kamberi
2	Physiology of Growth, Reproduction and Lactation in Domestic Animals	2+2	6	C	Dr.sc.Bajram Berisha
3	Nutritional Physiology of Animal	2+2	6	C	Dr.sc.Nuridin Mestani
4	Food Science Chapters	2+2	6	C	Dr.sc.Hysen Bytyqi
5	Food/Feed Safety and Quality Assurance	2+2	6	C	Dr.sc.Muhamet Kamberi
	<i>Total ECTS</i>		30		

3. Year 1 – Semester 2

Proposed study program					
	Name of subject	Hours week	ECTS	Status C/E	Teacher of subject
1	Animal Biotechnology	2+2	6	C	Dr.sc.Bajram Berisha
2	Elected Modules from the Professional List	2+2	18	E	After Elected
3	Elected Modules from the Broad List	2+2	6	E	After Elected
4					
5					
	Total ECTS		30		

4. Year 2 – Semester 3

Proposed study program					
	Name of subject	Hours week	ECTS	Status C/E	Teacher of subject
1	Internship/Practical work	0+6	6	C	
2	Elected Modules from the Professional List	2+2	12	E	After Elected
3	Elected Modules from the Broad List	2+2	12	E	After Elected
4					
5					
	Total ECTS		30		

5. Year 2 – Semester 4

Proposed study program					
	Name of subject	<i>Hours (Total)</i>	ECTS	<i>Status C/E</i>	Teacher of subject
1	Master thesis work		30	C	Supervisor

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

4. Employment opportunities and professional qualification

Graduate students in APPLIED ANIMAL SCIENCES have employment opportunities 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.

Table 2. List of elective subject**6. Elected modules of the narrow professional field**

Name of subject		Hour/ week	ECTS	C/E	Sem ester	Teacher of subject
1	Genomics of domestic animals	2+2	3	E	2	Dr.sc.Bajram Berisha
2	Selection	2+2	6	E	2	Dr.sc.Hysen Bytyqi
3	Cattle science	2+2	6	E	2	Dr.sc.Hajrip Mehmeti
4	Pig science	2+2	6	E	2	Dr.sc.Alltane Kryeyiu
5	Poultry science	2+2	6	E	2	Dr.sc.Nuridin Mestani
6	Aquaculture and Fishery	2+2	6	E	3	Dr.sc.Agim Rexhepi
7	Health Care of Domestic Animals	2+2	6	E	3	Dr.sc.Skender Muji
8	Nutrition of Different Species of Animals	2+2	6	E	3	Dr.sc.Ragip Kastrati
9	Feed Science and Ration Formulation	2+2	6	E	2	Dr.sc.Muhamet Kamberi
10	Meat quality	2+2	6	E	3	Dr.sc.Xhavit Ramadani
11	Dairy	2+2	6	E	3	Dr.sc.Xhavit Ramadani
12	Forage Crops and Pasture	2+2	6	E	2	Dr.sc.Imer Rusinovci
13	Science of Small Ruminants	2+2	6	E	3	Dr.sc.H.Mehmeti
14	Ruminant Nutrition	2+2	6	E	3	Dr.sc.Ragip Kastrati

Electives subject from wide list

Name of subject		Hour	ECTS	C/E	Sem ester	Teacher of subject
1	Horse Science	2+2	6	E	3	Dr.sc.Alltane Kryeziu
2	Biodiversity of Farma Animal	2+2	6	E	2	Dr.sc.Hysen Bytyqi
3	Genetic Conservation of Breeds	2+2	6	E	2	Dr.sc.Hysen Bytyqi
4	Animal Welfare	2+2	6	E	3	Dr.sc.Skender Muji
5	Basic Immunology	2+2	6	E	2	Dr.sc.Blerta Mehmedi
6	Analitical Methods in Animal Nutrition	2+2	6	E	2	Dr.sc.Alltane Kryeziu
7	Milk Processing	2+2	6	E	3	Dr.sc.Xh. Ramadani
8	Information Technology in Agriculture	2+2	6	E	2	Dr.sc.Hysen Bytyqi
9	Environmental Monitoring	2+2	6	E	3	Dr.sc.Skender Muji
10	Mammary Gland Biology	2+2	6	E	2	Dr.sc.Hysen Bytyqi
11	Ethology of Wild Animals	2+2	6	E	3	Dr.sc.Skender Muji
12	Cohabitation of Human and Animals	2+2	6	E	3	Dr.sc.Skender Muji
13	Plant Cultivation	2+2	6	E	2	Dr.sc.Imer Rusinovci
14	European Policies	2+2	6	E	3	Dr.sc.M. Kamberi
15	Market	2+2	6	E	3	Dr.sc.Nuridin Mestani
16	Information Science and Communication	2+2	6	E	2	Dr.sc.Alltane Kryeziu