

1st Semester

Code	Course Title	Hours	Dept	ECTS
3630	Inorganic Chemistry	3+2	DAS	5
0565	Physics	3+2	BIO	5
0380	Genetics	3+2	BIO	5
3695	Agricultural Zoology – Entomology	3+2	DCS	5
3635	Principles of Cellular and Molecular Biology	3+3	DAS	5
3675	Principles of Animal Production	3+2	DAS	5
0044	English I	2 T	–	–
Total ECTS of 1st Semester= 30				

[Hours= teaching hours/week (theory and lab practicals), Dept= Department that offers the course (DAS: Department of Animal Science; DCS: Department of Crop Science; BIO: Department of Biotechnology)]

2nd Semester

Code	Course Title	Hours	Dept	ECTS
3640	Principles of Organic Chemistry	4+2	DAS	5
3645	Biometry	5 T	DCS	5
3680	Microbiology	3+2	DAS	5
3485	Principles of Economics Theory	4 T	AERD	5
3330	Introduction to Informatics	2+3	AERD	5
3685	Botany	3+2	DCS	5
0045	English II	2 T	–	–
Total ECTS of 2nd Semester= 30				

[Hours= teaching hours/week (theory and lab practicals), Dept= Department that offers the course (DAS: Department of Animal Science; DCS: Department of Crop Science; AERD: Department of Agricultural Economics & Rural Development)]

3rd Semester

Code	Course Title	Hours	Dept	ECTS
0011	Animal Anatomy and Histology	3+3	DAS	6
0012	Hydrobiology – Planktology	3+3	DAS	6
0024	Grasslands Management	3+2	DAS	5
0016	Principles of Animal Breeding	2+3	DAS	5
0504	Introduction in the Biochemistry of Animal Organisms	2+2	DAS	4
0046	English III	2 T	–	–

Electives (2 out of 3)

3525	Pests in Stored Agricultural Products & Foods	3+2	DCS	2
0501	History of Agricultural Science	2 T	AERD	2
0960	Agricultural Extension	3 T	AERD	2
Total ECTS of 3rd Semester= 30				

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4th Semester

Code	Course Title	Hours	Dept	ECTS
0004	Nutritional Physiology of Animals	4+2	DAS	6
1500	Apiculture – Sericulture	3+2	DCS	5
2855	Rural Economics and Policy	5 T	AERD	5
0235	Physiology of Farm Animals	3+3	DAS	6
3655	Agriculture	2+2	DCS	4
0047	English IV	2 T	-	-

Electives (2 out of 3)

0310	Immunology	2+1	DAS	2
3615	Didactics-Agricultural Education	3 T	AERD	2
0503	Climatology	2 T	DCS	2
Total ECTS of 4th Semester= 30				

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5th Semester

Code	Course Title	Hours	Dept	ECTS
0625	Feedstuffs & Feedstuffs Technology	3+3	DAS	5
0375	Methods of Animal Breeding	4+2	DAS	5
0166	The Physiological Bases of Farm Animal Reproduction and Lactation	2+2	DAS	4
0161	Quality and Safety of Animal Food Products	4 T	DAS+FSHN	3
0996	Marketing of Animal Products	5 T	AERD	4
0048	English V	2 T	-	-

Electives (2 out of 3)

0162	Companion Animals Breeding	3 T	DAS	2
0163	Management of Specialized Farms	3 T	DAS	2
0296	Fisheries Biology and Management	2+1	DAS	2
Total ECTS of 5th Semester= 25				

[Hours= teaching hours/week (theory and lab practicals), Dept= Department that offers the course (DAS: Department of Animal Science; FSHN: Department of Food Science and Human Nutrition; AERD: Department of Agricultural Economics & Rural Development)]

6th Semester

Code	Course Title	Hours	Dept	ECTS
0039	Ruminants Nutrition	4+2	DAS	5
0159	The Physiological Bases of Farm Animal Growth	2+2	DAS	3
0168	Ichthyology – Benthology	3+3	DAS	5
0033	Farming of Domestic Non-Ruminants	5+1	DAS	5
0006	Applications of Biotechnology in Animal Science	2+2	DAS	3
0048	English VI	2 T	–	–
6100	Practical Training	–	–	10

Electives (1 out of 3)

0237	Analytical Toxicology – Xenobiotics	2+2	DAS	4
3390	Food Chemistry	3+2	FSHN	4
0208	e-Commerce	2+2	AERD	4
Total ECTS of 6th Semester= 35				

[Hours= teaching hours/week (theory and lab practicals), Dept= Department that offers the course (DAS: Department of Animal Science; FSHN: Department of Food Science and Human Nutrition; AERD: Department of Agricultural Economics & Rural Development)]

7th Semester

Code	Course Title	Hours	Dept	ECTS
2995	Farming of Domestic Ruminants	3+3	DAS	6
0181	Milk and Meat Technology	3+2	FSHN	6
0169	Ethology and Welfare of Farm Animals	3 T	DAS	3
2980	Pharmacology	3 T	DAS	3
0041	Aquaculture	3+3	DAS	5

Electives (1 out of 3)

0227	Introduction to Technical Design (AutoCAD)	2 T	NRDAE	3
0998	Quality and Certification Systems for Agricultural Products	3 T	DAS	3
0316	Environmental Pollution	3 T	DCS	3
Total ECTS of 7th Semester= 26				

[Hours= teaching hours/week (theory and lab practicals), Dept= Department that offers the course (DAS: Department of Animal Science; DCS: Department of Crop Science; FSHN: Department of Food Science and Human Nutrition; NRDAE: Department of Natural Resources Development and Agricultural Engineering)]

8th Semester

Code	Course Title	Hours	Dept	ECTS
0034	Monogastrics Nutrition	3+3	DAS	6
0019	Diseases of Farm Animals	3+3	DAS	5
1510	Design and Organization of Livestock Facilities	4 T	NRDAE	3
0036	Production of Aquatic Organisms	3+3	DAS	6
6200	Practical Training	–	–	10

Electives (2 out of 4)

0171	Feed Manufacturing Technology	2 T	DAS	2
0630	Rural Sociology	4 T	AERD	2
New 0318	Ichthyopathology	2+1	DAS	2
3401	Milk Technology II – Cheeses	3+2	FSHN	2
Total ECTS of 8th Semester= 34				

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9th Semester

Code	Course Title	Hours	Dept	ECTS
1690	Health of Farm Animals	3+2	DAS	5
3725	Strategic Business Planning	5 T	AERD	5
0495	Economics in Animal Production	4 T	AERD	3
0018	Animal Production – Environment	4 T	DAS	4
0167	Nutrition of Aquatic Organisms	2+2	DAS	4
0226	Precision Technologies in Agriculture	3+2	NRDAE	5

Electives (2 out of 5)

0238	Animal Production and Public Health	2 T	DAS	2
1440	Livestock Production Systems	2 T	DAS	2
2915	Principles of Human Nutrition	2 T	DAS	2
0268	Principles of Animal Embryology	1+1	DAS	2
0239	Intelligent Systems and Data Mining in Animal Science	1+1	AERD	2
Total ECTS of 9th Semester= 30				

[Hours= teaching hours/week (theory and lab practicals), Dept= Department that offers the course (DAS: Department of Animal Science; NRDAE: Department of Natural Resources Development and Agricultural Engineering; AERD: Department of Agricultural Economics & Rural Development)]

10th Semester

ECTS from DIPLOMA DISSERTATION= 30

Total ECTS in 5 years= 300 (60 ECTS/year)
Courses (required + elective)= 250 ECTS
Practical training (10 ECTS at the 6th and 10 ECTS at the 8th Semester)= 20 ECTS
Diploma dissertation= 30 ECTS