



Master of Science in “Veterinary Medicine”

STUDY CURRICULUM

1.

Year I Semester 1	Year I Semester 2
<ul style="list-style-type: none"> • Anatomy 1 • Chemistry • Histology 1 • Veterinary Biology and Zoology • Biophysics • Informatics and AI in Veterinary Medicine • Three elective modules 	<ul style="list-style-type: none"> • Veterinary and Food Chemistry • Anatomy 2 • Histology 2 • Veterinary Botany • Biomathematics
Year II Semester 3	Year II Semester 4
<ul style="list-style-type: none"> • Anatomy 3 • Veterinary Physiology 1 • Veterinary Biochemistry 1 • Genetic & Animal breeding • 3Rs Principles and Ethics in Animal Use • Animal Production Systems • Practical Modul 1(Practical Work in Animal Care & Husbandry) • Three elective modules 	<ul style="list-style-type: none"> • Veterinary Physiology 2 • Veterinary Biochemistry 2 • Veterinary Virology • Veterinary Bacteriology • Topographic and Applied Anatomy • Veterinary Immunology • Veterinary Profession and Communication & Life Skills 1 • Practical Modul 2 (Practical Work in Animal Care & Husbandry)
Year III Semester 5	Year II Semester 6
<ul style="list-style-type: none"> • General Pathology • Pharmacology 1 • Parasitology 1 • Animal Behavior and Welfare • Laboratory Diagnostics • Animal Nutrition and Feed Science • Veterinary Epidemiology • Practical Modul 3 (Practical Work in Animal Care& Husbandry) 	<ul style="list-style-type: none"> • Pharmacology 2 • Small Animal Medicine 1 • Parasitology 2 • Livestock Feeding • Equine Medicine and Surgery 1 • Pathology 1 • Farm Animal Medicine 1 • Practical Modul 4 (Practical Work in Animal Care & Husbandry)

- Skills Laboratory 1
- Three elective modules

- Skills Laboratory 2

Year IV Semester 7

- Pathophysiology
- Equine Medicine and Surgery 2
- Small Animal Medicine 2
- Pathology 2
- Farm Animal Medicine 2
- Reproduction and Biotechnology 1
- Toxicology
- Epizootiology & Infectious Diseases 1
- Skills Laboratory 3
- Three elective modules

Year IV Semester 8

- Small Animal Medicine 3
- Farm Animal Medicine 3
- Wildlife and Exotic Animal Medicine
- Animal Hygiene and Herd Health
- Fish Hygiene and Diseases
- Reproduction and Biotechnology 2
- Epizootiology & Infectious Diseases 2
- One Health Principles and Food Safety (VPH) 1
- Skills Laboratory 4

Year V Semester 9

- Food Safety in Animal Products (VPH) 2
- Veterinary Emergencies and Resuscitation
- Veterinary Clinic Management
- Scientific Methodology and Academic Writing
- Veterinary Services: Risk Assessment, Surveillance and Monitoring
- Risk Analysis (AMR) and Public Health Protection
- Veterinary Profession and Communication & Life Skills 2
- Mobile Clinic for Herd Health Management
- Three elective modules

Year V Semester 10

- Clinical Practice Block I (8 weeks) + OSCE 1
(Companion animals, equine, pathology)
- Veterinary Public Health: Field and Laboratory Practice
- Slaughterhouse Practice (4 weeks)

Year VI Semester 11

- Thesis Defense
- Group A: Clinical Practice Block II (7 weeks)
- Group B: Elective Clinical Training (8 weeks)
- Elective Modules: 15 modules available (3 per year)

