

Jordan University of Science and Technology

Faculty of Veterinary Medicine

Study plan qualifying to obtain Bachelor Degree in Veterinary Medicine and Surgery
2012

First Year
First Semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
BIO 103	General Biology	3	3	0	-	-
BIO 107	General Biology Practical	1	0	2	-	BIO 103
CHEM 103	General Chemistry	3	3	0	-	-
CHEM 107	General Chemistry Practical	1	0	2	-	CHEM 103
ENG 111	English Language 1	3	3	0	Pass in Eng 099 or acquiring 50% in the English language level exam.	
ARB101	Arabic Language	3	3	0	-	-
CIS 100	Computer Skills	3	2	3	-	-
Total		17				

Second Semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
ENG 112	English Language 2	3	3	0	Eng 111	
CHEM 112	General Organic and Biological Chemistry	3	3	0	CHEM 103	
VM 102	Veterinary Ethics	1	1	0		
VM 104	Animal Husbandry	3	2	3		
VM 106	Animal Welfare	2	2	0		
VM 112	Veterinary Anatomy 1	1	1	0	BIO103	
VM 114	Veterinary Anatomy Practical 1	2	0	6		V 112
HSS100	Culture and University Behavior	1	1	0		
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Second Year
First Semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 205	Animal Breeding and Genetics	2	2	0	VM104	
VM 215	Veterinary Anatomy Practical 2	2	0	6	VM114	
VM 217	Veterinary Histology	2	2	0	BIO 103	
VM 219	Veterinary Histology Practical	1	0	3		VM217
VM 221	Animal Physiology 1	3	3	0	VM 112	
VM 225	Veterinary Immunology	3	3	0	CHEM 112 BIO 103	
VM 231	Veterinary Bacteriology	2	2	0	BIO103	
VM 235	Entomology	2	2	0	BIO103	
Total		17				

Second Semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 218	Developmental Veterinary Anatomy	1	1	0	VM217	
VM 222	Animal Physiology 2	2	2	0	VM 221	
VM 224	Animal Physiology Laboratory	1	0	2		VM 222
VM 230	Veterinary Virology	3	3	0	VM 225	
VM 232	Systematic Bacteriology and Mycology	3	3	0	VM 231	
VM 234	Veterinary Microbiological Techniques	1	0	2		VM232
VM 236	Veterinary Parasitology	2	2	0	VM 235	
VM 238	Entomology and Veterinary Parasitology Lab	1	0	2		VM 236
MS 100	Military Sciences	3	3	0		
Total		17				

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**Third Year
First Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 321	Animal Nutrition	2	2	0	VM104 VM 224	
VM 341	General Veterinary Pharmacology	3	3	0	VM 224	
VM 351	General Veterinary Pathology	3	3	0	VM 225 VM 234	
VM 353	General Veterinary pathology Lab	1	0	3		VM 351
VM 355	Hematology	1	1	0	VM 224 VM 225	
VM 357	Hematopathology Laboratory	1	0	2		VM 355
VM 361	Milk Hygeine	2	2	0	VM234	
VM 363	Poultry Management	2	2	0	VM 104	
	Elective University Requirement	3	3	0		
Total		18				

Second Semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 342	Pharmacology and Therapeutics	2	2	0	VM 341	
VM 352	Special Veterinary Pathology	3	3	0	VM351	
VM 354	Special Veterinary Pathology Lab	1	0	3		VM 352
VM 356	Veterinary Biostatistics	1	1	0		
VM 362	Meat Hygeine	2	2	0	VM353	
VM 372	General Veterinary Internal Medicine	1	1	0	VM353VM 357	
VM 374	Case History and Physical Examination	1	0	3		VM 372
VM 376	Production Medicine	1	1	0	VM321	
	Elective University Requirement	3	3	0		
		15				

Summer semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 430	Applied Veterinary Sciences and Diagnostic Laboratories	5	0	10	VM 230 VM 234 ,VM 238 VM342	

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VM 460	Animal Food products Inspection and Sanitation	1	0	3	VM361 VM362	
Total		6				

**Fourth Year
First Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 441	Veterinary Toxicology	2	2	0	VM 430	
VM 461	Poultry Diseases	3	3	0	VM 363	
VM 471	Food Animal Medicine	2	2	0	VM 374	
VM 481	General Veterinary Surgery	2	2	0	VM 374 VM 215	
VM 483	General Veterinary Surgery Practical	1	0	3		VM 481
VM 491	Food Animal Theriogenology	2	2	0	VM 354 VM 374	
VM 493	Canine and Feline Theriogenology	2	1	2	VM 354	
VM 495	Equine Theriogenology	1	1	0	VM 354	
Total		15				

Second Semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 432	Veterinary Infectious Diseases	3	3	0	VM 430	
VM 482	Small Animal Medicine and Surgery	2	2	0	VM 481	
VM 484	Small Animal Surgery lab	1	0	3		VM 482
VM 486	Veterinary Anesthesiology	1	0	3	VM 483	
VM 488	Veterinary Diagnostic Imaging	1	0	2	VM 483	
VM 496	Diagnostic Techniques in Animal Reproduction	2	0	6	VM 491 VM 495	
VM 498	Veterinary Obstetrics Practical	1	0	2	VM 491 VM 495	
	Elective University Requirement	3	3	0		
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Summer semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 530	Veterinary Infectious diseases Clinic	1	0	2	VM432	
VM 550	Veterinary Pathology Clinic 1	1	0	2	VM 354	
VM 560	General Poultry Diseases Clinic	1	0	2	VM4 61	
VM 570	General Veterinary Medicine Clinic	1	0	2	VM471	

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VM 580	General Veterinary Surgery Clinic	1	0	2	VM484	
VM 590	General Theriogenology Clinic	1	0	2	VM 496 VM49 8	
Total		6				



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**Fifth Year
First Semester**

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM 531	Zoonotic Diseases	2	2	0	VM 530	
VM 551	Veterinary Post mortum clinic1	1	0	3	VM550	
VM 553	Veterinary Clinical Chemistry and Cytology	2	1	3	VM 352	
VM 561	Poultry Diseases Clinic 1	1	0	3	VM 560	
VM 563	Veterinary Epidemiology and Herd Health	3	3	0	VM376 VM 356	
VM 571	Clinical Animal Nutrition	1	1	0	VM570	
VM 573	Equine Medicine	2	2	0	VM 432 VM 570	
VM 577	Large Animal Medicine Clinic 1	1	0	3	VM570	
VM 581	Large Animal Surgery	2	2	0	VM 580	
VM 583	Large animal surgery clinic 1	1	0	3	VM 580	
VM 591	Theriogenology Clinic 1	1	0	3	VM 590	
Total		17				

Second Semester

Code	Course	Credit hours	Theory	Practical	Pre-req	Co-req
VM532	Infectious Diseases and Herd Health clinic	1	0	3	VM 530	
VM 552	Veterinary Post mortum clinic 2	1	0	3	VM551	
VM 554	Veterinary clinical Pathology clinic	1	0	3	VM 550 VM 553	
VM 562	Poultry Diseases Clinic 2	1	0	3	VM561	
VM 564	Electronic Farming	1	0	2	VM 563	
VM 578	Large Animal medicine clinic 2	2	0	6	VM577	
VM 582	Small Animal Medicine and Surgery Clinic	2	0	6	VM 484	
VM 584	Large Animal Surgery Clinic 2	1	0	3	VM 583	
VM 592	Theriogenology Clinic 2	1	0	3	VM 591	
VM 594	Veterinary Andrology and Artificial Insemination	1	0	3	VM 591	
VM 596	Case Report Seminar	1	0	2	VM 577 VM583 VM591	
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- 0 general animal topics
- 1 anatomy and histology
- 2: physiology and immunology
- 3 Microbiology, virology and parasitology
- 4 Pharmacology and toxicology
- 5 Pathology
- 6 poultry, Meat and milk hygiene and epidemiological studies
- 7 Medicine
- 8 Surgery
- 9 Theriognology

