

### SCHEME OF STUDIES FOR DVM (FIVE YEARS DEGREE PROGRAMME)

2020-2024			2022-2026		
Existing			Proposed / Revised		
SEMESTER I			SEMESTER I		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
ANAT-301	Veterinary Anatomy - I	3(1-2)	ANAT-301	Veterinary Anatomy - I	3(1-2)
ANAT-303	General Veterinary Histology	3(2-1)	ANAT-303	General Veterinary Histology	3(2-1)
PHYSIO-301	Veterinary Physiology - I	3(2-1)	PHYSIO-301	Veterinary Physiology - I	3(2-1)
BIOCHEM-306	Biochemistry	4(3-1)	BIOCHEM-306	Biochemistry	4(3-1)
MATH-400	Mathematics	2(2-0)	MATH-400	Mathematics	2(2-0)
ENG-303	English- I (Functional English)	2(2-0)	ENG-303	English- I (Functional English)	2(2-0)
MED-301	Animal Welfare and Ethics	2(2-0)	MED-301	Animal Welfare and Ethics	2(2-0)
IS-401/SSH-402	Islamic Studies/Ethics	3(3-0)	IS-401/SSH-402	Islamic Studies/Ethics	3(3-0)
Total		22(17-5)			22(17-5)
SEMESTER II			SEMESTER II		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
ANAT-302	Veterinary Anatomy - II	3(1-2)	ANAT-302	Veterinary Anatomy - II	3(1-2)
ANAT-304	Systemic Veterinary Histology and Embryology	3(2-1)	ANAT-304	Systemic Veterinary Histology and Embryology	3(2-1)
PHYSIO-302	Veterinary Physiology - II	4(3-1)	PHYSIO-302	Veterinary Physiology - II	4(3-1)
ENG-304	English- II (Communication Skills)	2(2-0)	ENG-304	English- II (Communication Skills)	2(2-0)
MICRO-302	General Veterinary Microbiology	3(2-1)	MICRO-302	General Veterinary Microbiology	3(2-1)
PSci-302	Introduction to Poultry Production	1(1-0)	PSci-302	Introduction to Poultry Production	1(1-0)
LM-302	Fundamentals of Livestock Production	2(1-1)	LM-302	Fundamentals of Livestock Production	2(1-1)
SSH-301	Pakistan Studies	1(1-0)	SSH-301	Pakistan Studies: Past and Present	1(1-0)
	Total	19(13-6)	IS-402	Quran Translation	1(1-0)
					20(14-6)

SEMESTER III			SEMESTER III		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
AN-403	Principles of Animal Nutrition	3(2-1)	AN-403	Principles of Animal Nutrition	3(2-1)
PHARM-401	General and Systemic Pharmacology	4(3-1)	PHARM-401	General and Systemic Pharmacology	4(3-1)
PATH-401	General Veterinary Pathology	4(3-1)	PATH-401	General Veterinary Pathology	4(3-1)
PARA-401	General Veterinary Parasitology and Protozoology	3(2-1)	PARA-401	General Veterinary Parasitology and Protozoology	3(2-1)
MICRO-401	Veterinary Immunology	2(1-1)	MICRO-401	Veterinary Immunology	2(1-1)
MICRO-403	Molecular Biology	2(1-1)	MICRO-403	Molecular Biology	2(1-1)
MED-401	Lab and Zoo Animal Management	1(0-1)	MED-401	Lab and Zoo Animal Management	1(0-1)
Anthro-301	Anthropology	1(1-0)	Anthro-301	Anthropology	1(1-0)
	<b>Total</b>	<b>20(13-7)</b>	<b>IS-403</b>	<b>رُوحَانِيَّة</b>	<b>1(1-0)</b>
					<b>21(14-7)</b>
SEMESTER IV			SEMESTER IV		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
AN-402	Livestock Feed Resources and Forage Conservation	3(2-1)	AN-402	Livestock Feed Resources and Forage Conservation	3(2-1)
PHARM-402	Veterinary Chemotherapy and Toxicology	4(3-1)	PHARM-402	Veterinary Chemotherapy and Toxicology	4(3-1)
MICRO-402	Veterinary Bacteriology and Mycology	3(2-1)	MICRO-402	Veterinary Bacteriology and Mycology	3(2-1)
PATH-402	Systemic Veterinary Pathology	3(2-1)	PATH-402	Systemic Veterinary Pathology	3(2-1)
ABG-402	Animal Breeding and Genetics - I	2(1-1)	ABG-402	Animal Breeding and Genetics - I	2(1-1)
PARA-402	Veterinary Helminthology	4(3-1)	PARA-402	Veterinary Helminthology	4(3-1)
<b>Total</b>		<b>19(13-6)</b>	<b>Total</b>		<b>19(13-6)</b>

SEMESTER V			SEMESTER V		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
AN-505	Poultry Nutrition and Feed Technology	2(1-1)	AN-505	Poultry Nutrition and Feed Technology	2(1-1)
ABG-507	Animal Breeding and Genetics - II	3(2-1)	ABG-507	Animal Breeding and Genetics - II	3(2-1)
PATH-501	Veterinary Clinical Pathology	1(0-1)	PATH-501	Veterinary Clinical Pathology	1(0-1)
PARA-501	Veterinary Entomology and Acarology	3(2-1)	PARA-501	Veterinary Entomology and Acarology	3(2-1)
MICRO-501	Veterinary Virology	3(2-1)	MICRO-501	Veterinary Virology	3(2-1)
THERIO-501	Veterinary Reproductive Physiology	3(2-1)	THERIO-501	Veterinary Reproductive Physiology	3(2-1)
MED-501	Veterinary Internal Medicine – I	3(3-0)	MED-501	Veterinary Internal Medicine – I	3(3-0)
AE-505	Livestock Economics and Business Management	2(2-0)	ARE-515	Livestock Economics and Business Management	2(2-0)
MICRO-503	Biorisk Safety and Management	2(1-1)	MICRO-503	Biorisk Safety and Management	2(1-1)
<b>Total</b>		<b>22(15-7)</b>	<b>Total</b>		<b>22(15-7)</b>
SEMESTER VI			SEMESTER VI		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
MICRO-506	Zoonoses and Food Safety	3(2-1)	MICRO-506	Zoonoses and Food Safety	3(2-1)
LM-510	Principles of Dairy Production	3(2-1)	LM-510	Principles of Dairy Production	3(2-1)
THERIO-502	Obstetrics and Genital Diseases	3(2-1)	THERIO-502	Obstetrics and Genital Diseases	3(2-1)
MED-502	Veterinary Internal Medicine – II	3(3-0)	MED-502	Veterinary Internal Medicine – II	3(3-0)
PATH-506	Meat Inspection and Necropsy Practice	3(2-1)	PATH-506	Meat Inspection and Necropsy Practice	3(2-1)
SURG-502	Diagnostic Imaging	2(1-1)	SURG-502	Diagnostic Imaging	2(1-1)
MED-504	Medicine Clinic - I	1(0-1)	MED-504	Medicine Clinic - I	1(0-1)
SURG-504	Surgery Clinic - I	1(0-1)	SURG-504	Surgery Clinic - I	1(0-1)
THERIO-504	Theriogenology Clinic - I	1(0-1)	THERIO-504	Theriogenology Clinic - I	1(0-1)
<b>Total</b>		<b>20(12-8)</b>	<b>Total</b>		<b>20(12-8)</b>

SEMESTER VII			SEMESTER VII		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
LM-613	Beef and Mutton Production	2(1-1)	LM-613	Beef and Mutton Production	2(1-1)
MED-601	Veterinary Internal Medicine – III	3(3-0)	MED-601	Veterinary Internal Medicine – III	3(3-0)
SURG-601	Anaesthesiology and Intensive Care	1(0-1)	SURG-601	Anaesthesiology and Intensive Care	1(0-1)
THERIO-601	Reproductive Biotechnology	2(2-0)	THERIO-601	Reproductive Biotechnology	2(2-0)
PSci-605	Commercial Poultry Production	2(1-1)	PSci-605	Commercial Poultry Production	2(1-1)
STAT-400	Bio-statistics	3(2-1)	STAT-400	Bio-statistics	3(2-1)
MED-603	Medicine Clinic - II	1(0-1)	MED-603	Medicine Clinic - II	1(0-1)
SURG-603	Surgery Clinic - II	1(0-1)	SURG-603	Surgery Clinic - II	1(0-1)
THERIO-603	Theriogenology Clinic - II	1(0-1)	THERIO-603	Theriogenology Clinic - II	1(0-1)
Total		16(9-7)	Total		16(9-7)
SEMESTER VIII			SEMESTER VIII		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
PSci-602	Breeder and Hatchery Management	3(2-1)	PSci-602	Breeder and Hatchery Management	3(2-1)
MICRO-602	Veterinary Epidemiology and Public Health	3(2-1)	MICRO-602	Veterinary Epidemiology and Public Health	3(2-1)
MED-602	Small Animal Surgery	4(3-1)	MED-602	Small Animal Surgery	4(3-1)
ZOOL-614	Fisheries and Aquaculture	1(0-1)	ZOOL-614	Fisheries and Aquaculture	1(0-1)
MED-604	Medicine Clinic - III	2(0-2)	MED-604	Medicine Clinic - III	2(0-2)
SURG-602	Surgery Clinic - III	2(0-2)	SURG-602	Surgery Clinic - III	2(0-2)
THERIO-602	Theriogenology Clinic - III	2(0-2)	THERIO-602	Theriogenology Clinic - III	2(0-2)
AEE-419	Livestock Extension Education	2(2-0)	AEE-419	Livestock Extension Education	2(2-0)
Total		19(9-10)	Total		19(9-10)

SEMESTER IX			SEMESTER IX		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
BBA-611	Entrepreneurship	1(0-1)	BBA-611	Entrepreneurship	1(0-1)
FST-507	Dairy Technology	3(2-1)	<b>FST-514</b>	Dairy Technology	3(2-1)
PATH-611	Poultry Pathology	3(2-1)	PATH-611	Poultry Pathology	3(2-1)
SURG-611	Large Animal Surgery and Shoeing	3(2-1)	SURG-611	Large Animal Surgery and Shoeing	3(2-1)
MED-613	Medicine Clinic-IV	2(0-2)	MED-613	Medicine Clinic-IV	2(0-2)
SURG-613	Surgery Clinic - IV	2(0-2)	SURG-613	Surgery Clinic - IV	2(0-2)
THERIO-611	Theriogenology Clinic - IV	2(0-2)	THERIO-611	Theriogenology Clinic - IV	2(0-2)
THERIO-613	Companion Animal Theriogenology	2(1-1)	THERIO-613	Companion Animal Theriogenology	2(1-1)
<b>Total</b>		<b>18(7-11)</b>	<b>Total</b>		<b>18(7-11)</b>
SEMESTER X			SEMESTER X		
Course No.	Title of the Course	Credit Hours	Course No.	Title of the Course	Credit Hours
FVS-612	Technical Report Writing and Presentation	2(2-0)	FVS-612	Technical Report Writing and Presentation	2(2-0)
	INTERNSHIP			INTERNSHIP	
	<b>Total</b>	<b>2(2-0)</b>		<b>Total</b>	<b>2(2-0)</b>
	<b>Grand Total</b>	<b>177(110-67)</b>		<b>Grand Total</b>	<b>179(112-67)</b>