

## Degree and Study Plan

College: Agricultural & Marine Sciences  
Department: Animal and Veterinary Sciences  
Cohorts: 2019  
Degree: Bachelor of Science  
Major: Veterinary Technology

<b><u>Summary of Credits:</u></b>	
<b>University Requirements (UR)</b>	<b>6</b>
Arabic	2
Contemporary Omani Society	2
Oman & Islamic Civilization or Islamic Culture	2
<b>University Electives (UE)</b>	<b>6</b>
See List A	
<b>College Requirements (CR)</b>	<b>29</b>
See list B	
<b>College Electives (CE)</b>	<b>9</b>
See list C	
<b>Departmental Requirements (DR)</b>	
See list D	
<b>Departmental Electives</b>	
See list E	
<b>Major Requirements (AR)</b>	<b>69</b>
See list F	
<b>Major Electives (AE)</b>	<b>6</b>
See list G	
<b>Minor Requirements (IR)</b>	
See list H	
<b>Minor Electives (IE)</b>	
See list I	
<b>Specialization Requirements (SR)</b>	
See list J	
<b>Specialization Electives (SE)</b>	
See list K	
<b>TOTAL</b>	<b>125</b>

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EXT: 1232

HOD: Dr. Muhammad Nadeem Asi

Date:

Dean's Office: Abdullah M. Al-Sadi

Date:

Admission & Registration:

Date:

## DEPARTMENT OF ANIMAL & VETERINARY SCIENCES

### VETERINARY TECHNOLOGY

#### Study Plan: for Cohort 2019

Sem.	Course	Course Title	Cr.	Pre-req./Co-req.*	Cat.
ONE FALL		Foundation Program	0		UR
	<b>TOTAL</b>		<b>0</b>		

TWO SPRING	ARAB1060	Arabic <sup>1</sup>	2	= ARAB1019 (for non-Arabic speaker), 3 Cr.& Offered in Fall semester only	UR
	CAMS2000	Intro. CAMS	0		CR
	CAMS2003	Intro. to Food & Resource Economics	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CR
	CHEM2101	General Chemistry I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	CR
	LANC2140	English for CAMS I	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CR
		University Elective	2		UE
	<b>TOTAL</b>		<b>14</b>		

THREE FALL	HIST1010	Oman & Islamic Civilization	2	=ISLM1010	UR
	BIOL2101	General Biology I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CR
	LANC2141	English for CAMS II	3	LANC(2140 or 2142)	CR
		University Elective	2		UE
		University Elective	2		UE
	ANVS2201	Introduction to Veterinary Technology	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CE
	<b>TOTAL</b>		<b>16</b>		

FOUR SPRING	CAMS3000	Seminar & Presentation Skills	2	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2141	CR
	SOCY1005	Contemporary Omani State & People <sup>2</sup>	2	= SOCY1007 (for non-Omanis)	UR
	CAMS3001	Biometry & Experimental Design in AMS	3	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2141	CR
	PHYS2101	General Physics I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	CR
	ANVS2101	Introduction to Animal Science	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CE
		College elective	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	CE
	<b>TOTAL</b>		<b>17</b>		

FIVE FALL	ANVS3104	Anatomy & Histology	3	ANVS(2101 or 2201), BIOL2101	AR
	ANVS3107	Animal Reproductive Physiology	3	ANVS(2101 or 2201), BIOL2101	AR
	ANVS3108	Farm San., Disease Cont. & Prev. Med.	3	ANVS(2101 or 2201), BIOL2101	AR
	ANVS3208	Veterinary Immunology	3	ANVS(2101 or 2201), BIOL2101	AR
	ANVS3211	Veterinary Haematology	3	ANVS(2101 or 2201), BIOL2101	AR
		<b>TOTAL</b>		<b>15</b>	

SIX SPRING	ANVS2204	Veterinary Parasitology	3	ANVS(2101 or 2201), BIOL2101	AR
	ANVS2206	Veterinary Microbiology	3	ANVS(2101 or 2201), BIOL2101	AR
	ANVS2207	Veterinary Pharmacology & Pharmacy	3	ANVS(2101 or 2201), BIOL2101	AR
	ANVS3106	Systemic Physiology	3	ANVS(2101 or 2201), BIOL2101	AR
	ANVS3212	Clinical Chemistry, Cytology & Urology	3	ANVS3211, BIOL2101	AR
	<b>TOTAL</b>		<b>15</b>		

SEVEN FALL	ANVS4110	Vet. Pathology & Necropsy Technique	3	ANVS3104 + CR*	AR
	ANVS4112	Diseases of Large Animals	3	ANVS3106 + CR*	AR
	ANVS4213	Diagnostic Microbiology	3	ANVS2206 + CR*	AR
	ANVS4214	Diseases of Small & Laboratory Animals	3	ANVS3106 + CR*	AR
	ANVSXXXX	Major Elective	3	Check pre-requisites	AE
	<b>TOTAL</b>		<b>15</b>		

EIGHT SPRING	ANVS3213	Diagnostic Imaging & Anaesthesiology	3	ANVS3104	AR
	ANVS4102	Poultry production	3	ANVS2101 or ANVS2201+ CR*	AR
	ANVS4108	Meat Science	3	BIOL2101 + CR*	AR
	ANVS4215	Clinical Lab. Diag. & Path. Rotation	2	ANVS3211 + CR*	AR
	ANVS4216	Small Animal Clinical Procedure	2	ANVS4214 + CR*	AR
	ANVS4217	Large Animal Health Rotation I	2	ANVS4112 + CR*	AR
<b>TOTAL</b>		<b>15</b>			

SUMMER	ANVS4801	Veterinary Technology Internship	3	ANVS4217 + CR*	AR
	<b>TOTAL</b>		<b>3</b>		

NINE FALL	CAMS4001	Management & Business Skills	3	CR*	CR
	ANVS4107	Animal Nutrition	3	ANVS3105 + CR*	AR
	ANVS4218	Veterinary Public Health	2	ANVS4110 + CR*	AR
	ANVS4219	Laboratory Animal Health Rotation	2	ANVS4214 + CR*	AR
	ANVS4220	Large Animal Health Rotation II	2	ANVS4217 + CR*	AR
	ANVSXXXX	Major Elective	3	Check pre-requisites	AE
	<b>TOTAL</b>		<b>15</b>		

\* CR - CAMS college requirement courses which are BIOL2101, CAMS2000, CAMS2003, CAMS3000, CAMS3001, CHEM2101, PHYS(2101 or 2107).

<sup>1</sup> Non-Arabic speakers should register for ARAB1019 (3 credits), offered only during fall semesters.

<sup>2</sup> Non-Omanis should register for SOCY1007 (2 credits)

**DEPARTMENT OF ANIMAL & VETERINARY SCIENCES**

**VETERINARY TECHNOLOGY**

**LIST B: College Requirements (29 Credits)**

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
BIOL2101	General Biology I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	
CAMS2000	Introduction to Agricultural and Marine Sciences	0		
CAMS2003	Introduction to Food and Resource Economics	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	
CAMS3000	Seminar and Presentation Skills	2	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2141	
CAMS3001	Biometry and Experimental Design in AMS	3	CAMS2000, FPCS(0101 or 0102), FPMT(0105 or 0109), LANC2141	
CAMS4001	Management and Business Skills	3	CR*	
CHEM2101	General Chemistry I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	
LANC2140	English for CAMS I	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	
LANC2141	English for CAMS II	3	LANC(2140 or 2142)	
PHYS2101	General Physics I	4	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604), FPMT(0105 or 0109)	

**LIST C: College Electives (9 Credits)**

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
ANVS2101	Introduction to Animal Science	3	FPEL(0560 or 0600 or 0601 or 0602 or 0603 or 0604)	ANVS2001
ANVS2201	Introduction to Veterinary Technology	3		ANVS2002
PLNT2515	Introduction to Plant Sciences	3		CROP2510, CROP2515
FSHN2101	Principles of Food Science	3		FSHN2071
FSHN2301	Introduction to Human Nutrition and Dietetics	3		
MASF2003	Introduction to Marine Science and Fisheries	3		
SWAE2001	Introduction to Agricultural Engineering	3		
SWAE2201	Introduction to Soils and Water	3		

\* CR - CAMS college requirement courses which are BIOL2101, CAMS2000, CAMS2003, CAMS3000, CAMS3001, CHEM2101, PHYS(2101 or 2107).

**DEPARTMENT OF ANIMAL & VETERINARY SCIENCES**

**VETERINARY TECHNOLOGY**

**LIST F: Major Requirements (69 Credits)**

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
ANVS2204	Veterinary Parasitology	3	ANVS(2101 or 2201), BIOL2101	ANVS2004
ANVS2206	Veterinary Microbiology	3	ANVS(2101 or 2201), BIOL2101	ANVS2006
ANVS2207	Veterinary Pharmacology & Pharmacy	3	ANVS(2101 or 2201), BIOL2101	ANVS2007
ANVS3104	Anatomy and Histology	3	ANVS(2101 or 2201), BIOL2101	ANVS3004
ANVS3105	Fundamentals of Nutrition	3	(ANVS(2101 or 2201), BIOL2101	ANVS3005
ANVS3106	Systemic Physiology	3	BIOL2101 or ANVS 2101	ANVS3006
ANVS3107	Animal Reproductive Physiology	3	ANVS(2101 or 2201), BIOL2101	ANVS3007
ANVS3108	Farm Sanitation, Disease Control & Preventive Medicine	3	ANVS(2101 or 2201), BIOL2101	ANVS3008
ANVS3208	Veterinary Immunology	3	ANVS(2101 or 2201), BIOL2101	ANVS2008
ANVS3211	Veterinary Hematology	3	ANVS(2101 or 2201), BIOL2101	ANVS3011
ANVS3212	Clinical Chemistry, Cytology & Urology	3	ANVS3211, BIOL2101	ANVS3012
ANVS3213	Diagnostic Imaging & Anesthesiology	3	ANVS3104	ANVS3013
ANVS4102	Poultry Production	3	ANVS2101 + CR*	ANVS4002
ANVS4107	Animal Nutrition	3	ANVS3105 + CR*	ANVS4007
ANVS4110	Veterinary Pathology & Necropsy Techniques	3	ANVS3104 + CR*	ANVS4010
ANVS4112	Diseases of Large Animals	3	ANVS3106 + CR*	ANVS4012
ANVS4213	Diagnostic Microbiology	3	ANVS2206 + CR*	ANVS4013
ANVS4214	Diseases of Small and Laboratory Animals	3	ANVS3106 + CR*	ANVS4021
ANVS4215	Clinical Laboratory Diagnostics & Pathology Rotation	2	After 80 credits, ANVS3211 + CR*	ANVS4015
ANVS4216	Small Animal Clinical Procedures	2	After 80 credits, ANVS4214 + CR*	ANVS4016
ANVS4217	Large Animal Health Rotation I	2	After 80 credits, ANVS4112 + CR*	ANVS4017
ANVS4218	Veterinary Public Health	2	ANVS4110 + CR*	ANVS4022
ANVS4219	Laboratory Animal Health Rotation	2	After 80 credits, ANVS4214 + CR*	ANVS4019
ANVS4220	Large Animal Health Rotation II	2	After 80 credits, ANVS4217 + CR*	ANVS4020
ANVS4801	Veterinary Technology Internship	3	After 90 Credits, ANVS4217 + CR*	ANVS4014

**LIST G: Major Electives (6 Credits)\*\***

Course Code	Course Title	Cr.	Pre-Requisite	Equivalents
ANVS3101	Genetics and Animal Breeding	3	ANVS(2101 or 2201), BIOL2101	ANVS3001
ANVS3110	Animal Biotechnology	3	ANVS(2101 or 2201), BIOL2101	
ANVS4108	Meat Science	3	BIOL2101 + CR*	ANVS4008
ANVS4101	Dairy and Beef Production	3	ANVS(2101 or 2201) + CR*	ANVS4001
ANVS4104	Camel Physiology and Husbandry	3	ANVS(2101 or 2201) + CR*	ANVS4004
ANVS4106	Sheep and Goat Production	3	ANVS(2101 or 2201) + CR*	ANVS4006
ANVS4111	Horse Management and Care	3	ANVS(2101 or 2201) + CR*	ANVS4011
ANVS4902	Research Project in Animal & Veterinary Sciences	3	Manual Registration, GPA>2.0 + CR*	ANVS4900

\* CR - CAMS college requirement courses which are BIOL2101, CAMS2000, CAMS2003, CAMS3000, CAMS3001, CHEM2101, PHYS(2101 or 2107).

\*\* Courses from any Department of the College of Agricultural and Marine Sciences or another College, may be selected with the approval of Academic Advisor, Head of Department and Assistant Dean of Undergraduate Studies. **No course will be approved without filling the substitution form and getting all necessary approvals prior registering any course not listed in the above degree plan.**