

Doctor of Veterinary Medicine Curriculum

Academic Year 2017-2018

Revised June 15, 2017



**DOCTOR OF VETERINARY
MEDICINE PROGRAM**
COLORADO STATE UNIVERSITY

Fall Semester			Spring Semester		
FIRST YEAR			FIRST YEAR		
<u>Required</u>			<u>Required</u>		
VM 603	Veterinary Science: Research and Methods	1	VM 611	Foundations of Veterinary Medicine	1
VM 606	Veterinary Immunology	3	VM 619	Veterinary Neurobiology	4
VM 610	Foundations of Veterinary Medicine	1	VM 623	Veterinary Nutrition and Metabolism	2
VM 616	Functional Anatomy	9	VM 637	Veterinary Bacteriology & Mycology	3
VM 618	Veterinary Physiology & Histology	7	VM 638	Veterinary Parasitology	2
VM 625	Principles of Diagnostic Imaging	2	VM 639	Veterinary Virology	2
			VM 640	Biology of Disease I	5
			VM 648	Food Animal Production & Food Safety	2
<u>Electives</u>			<u>Electives</u>		
*ACT205	Fundamentals of Accounting	3	VM 621	Exotic Animal Anatomy & Husbandry	2
VS681A2	(UAF 1 st yr. only) Performance Dog Medicine	2	VM 612	Healer's Art	1
			*FIN 305	Fundamentals of Finance	3
SECOND YEAR			SECOND YEAR		
**Students will be required to complete the Capstone Exam I (1st year material) at the beginning of this semester. Passing this examination is required for progression in the program.			<u>Required</u>		
<u>Required</u>			VM 711	Foundations of Veterinary Medicine	1
VM 710	Foundations of Veterinary Medicine	1	VM 726	Principles of Imaging Interpretation I	2
VM 714	Preventive Medicine	4	VM 733	Principles of Surgery	2
VM 722	Veterinary Pharmacology	4	VM 737	Principles of Anesthesia	3
VM 724	Bioanalytical Pathology	6	VM 742	Biology of Disease III	3
VM 741	Biology of Disease II	4	VM 744	Theriogenology	3
VM 751	Veterinary Clinical Toxicology	2	VM 745	Clinical Sciences I	5
			VM 747	Clinical Sciences II	5
<u>Electives</u>			<u>Electives</u>		
VM 707	Emerging Issues in Infectious Dz	1	ANEQ 445	Foaling Management	2
VM 796J	Swine Medicine (online course)	1	VM 612	Healer's Art	1
*MGMT305	Fundamentals of Management	3	VM 716	Principles of Shelter Veterinary Medicine	1
VM781A	Clinical Diagnostic Microbiology	2	*BUS 205	Legal and Ethical Issues in Business	3
VS 681A2	Performance Dog Medicine	2			
THIRD YEAR			THIRD YEAR		
**Students will be required to complete the Capstone Exam II (2nd year material) at the beginning of this semester. Passing this examination is required for progression in the program.			<u>Required</u>		
<u>Required</u>			VM 712	Practice Management & Prof. Development	3
VM 728	Principles of Imaging Interpretation II	2	VM 730	Applied Animal Behavior	2
VM 749	Clinical Sciences III	5	VM786A	Junior Practicum	6
VM 753	Clinical Sciences IV	5			
VM 786A	Junior Practicum	8	TRACK SELECTIVES		
<u>Electives</u>			<u>Small Animal Practice Track (Required)</u>		
VM 721	Non-Mammalian Vertebrate Medicine	2	VM 773	Small Animal Medicine & Surgery I	4
VM 732	Veterinary Sports Medicine and Rehabilitation	1	VM 774	Small Animal Medicine & Surgery II	4
VM 796J	Swine Medicine	1	<u>Large Animal Practice Track (Required)</u>		
VM 796R	Food Animal Clinical Problems	3	VM 757	Bovine Herd Health Medicine	3
*MKT 305	Fundamentals of Marketing	3	VM 763	Equine Medicine & Surgery I	5
VS 681A2	Performance Dog Medicine	2	<u>General Practice Track</u>		
			Choose a minimum of 7 credits from VM 773, VM 774, VM 757 & VM 763		
			(VM 731 credits cannot be counted to fulfill Track Selective requirements.)		
			<u>Elective</u>		
			VM 612	Healer's Art	1
			VM 731	Biology & Disease of Small Mammals	2
			**Students will be required to complete the Capstone Exam III (3rd year material) at the beginning of this semester. Passing this examination is required for progression in the program.		
FOURTH YEAR (Summer-Fall-Spring)					
<u>Required</u>					
		VM 786 B	Senior Practicum		42

*Students may be charged facilities fee or technology fee for non-VM courses (approx. \$66.25 per credit hour). PLEASE NOTE: These amounts are approximate.

**Please refer to the Capstone Policy at <http://csu-cvms.colostate.edu/Documents/dvm-policy-capstone.pdf>

FIRST YEAR - Fall 2017 (August 21 - December 10, 2017)

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	VM 616 W118	VM 625 W118	VM 618 (L) PATH112	VM 625 W118	VM 606 W118
9:00		VM 618 W118		VM 618 W118	
10:00	VM 616 (L) W117	VM 616 (R) W118	VM 616 (L) W117	VM618 (L) W118	VM 618 W118
11:00		VM 616 W118		VM 606 W118	VM 603 W118
Noon					
1:00	VM 618 W118	VM 618 W118	VM 610 W118	VM 616 W118	VM 616 W118
2:00	VM 618 (L) PATH112	VM 618 (L) PA112	VM 610 (L) W118	VM 616 (L) W117	VM 616 (L) W117
3:00			VM 610 (L)		
4:00			multiple rooms	VM 681A2 (UAF only)	
5:00					
6:00					

***Final exams to be arranged**

<u>Required</u>		<u>Credits</u>
VM 603	Veterinary Science: Research and Methods	1
VM 606	Veterinary Immunology	3
VM 610	Foundations of Veterinary Medicine	1
VM 616	Functional Anatomy	8
VM 618	Veterinary Physiology and Histology	7
VM 625	Principles of Diagnostic Imaging	2
	Total Required Credits	22
<u>Electives</u>		
VS 681A2 (UAF Students only)	Performance Dog Medicine	2

SECOND YEAR – Fall 2017 (August 21 - December 15, 2017)

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	VM 714 PATH101				VM 741 (R01) PATH112
9:00	VM 714 PATH101	VM 724 (R01) * PATH112	VM 714 PATH101	VM 724 (R01)* PATH112	VM 741 (R02) PATH112
10:00	VM 724 PATH101	VM 724 (R02) * PATH112		VM 724 (R02)* PATH112	VM 741 (R03) PATH112
11:00	VM 724 PATH101	VM 724 (R03) * PATH101	VM 724 PATH101	VM 724 (R03)* PATH101	
Noon					
1:00	VM 722 PATH101	VM 722 PATH101	VM 722 PATH101	VM 722 PATH101	VM 741 PATH101
2:00	VM 751 PATH101	VM 710 PATH 101	VM 741 PATH101	VM 741 PATH 101	VM 724 PATH101
3:00	VM781A2 MICRO A206	VM 710 multiple rooms	VM 707 AZ E112	VM 751 PATH101	VM796R
4:00			VM-781A2 MICRO VTH A206	VS- 681A2 VTH A221	
5:00					
6:00					

***Approximately fifty percent of the time all VM 724 Recitation sections meet together from 11:00-11:50 am**
Final exams to be arranged

<u>Required</u>			
VM 710	Foundations of Veterinary Medicine		1
VM 714	Preventive Medicine		4
VM 722	Veterinary Pharmacology		4
VM 724	Bioanalytical Pathology		6
VM 741	Biology of Disease II		4
VM 751	Veterinary Clinical Toxicology		2
*Students will be required to complete the Capstone Exam I (1st year material) at the beginning of this semester. Passing this examination is required for progression in the program.			
		Total Required Credits	21
<u>Electives</u>			
VM 707	Emerging Issues in Infectious Disease		1
VM 796J	Swine Medicine (10/16-12/10) online class		1
VM781A2	Clinical Diagnostic Microbiology		2
VS 681A2	Performance Dog Medicine		2

SECOND YEAR - Spring 2018 (January 16 – May 4, 2018)

	Monday	Tuesday		Wednesday	Thursday	Friday
8:00	VM 742 PATH101	VM 744 L01 PATH112		VM 737 R02 Path109	VM 733 PATH101	VM 742 PATH101
9:00	VM 737 PATH101		VM 733 002 PATH101	VM 737 R03 Path109	VM 745/747 PATH101	VM 742, R01 PATH112
10:00	VM 745/747 PATH101	VM 744 L02 PATH112	VM 733 003 PATH101	VM 737 R01 Path109		VM 742, R02 PATH112
11:00	VM 726 PATH101		VM 733 001 PATH101		VM 726, R01 PATH101	VM 742, R03 PATH112
Noon		VM 744 L03 PATH112				VM 716 PATH 101
1:00	VM 745/747 PATH101			VM 745/747 PATH101	VM 745/747 PATH101	VM 737 PATH101
2:00		VM 711 PATH 101		VM 744 PATH101		VM 744 PATH101
3:00	*VM 747 lab time (2 Mondays of semester)	VM 711 multiple rooms			VM 747 PATH101	
4:00					ANEQ 445 PATH101	
5:00						
6-9pm				VM 612 VTH		

Final exams to be arranged

<u>Required</u>			
VM 711	Foundations of Veterinary Medicine		1
VM 726	Principles of Imaging Interpretation I		2
VM 733	Principles of Surgery (01/16 – 03/15)		2
VM 737	Principles of Anesthesia		3
VM 742	Biology of Disease III		3
VM 744	Theriogenology		3
VM 745	Introduction to Clinical Sciences I (01/16 – 03/15)		5
*VM 747	Introduction to Clinical Sciences II (03/21 – 05/04)		5
		Total Required Credits	24
Electives			
ANEQ 445	Foaling Management (Lab section times to be arranged)		2
VM 612	Healer's Art		1
VM 716	Basic Principles of Shelter Veterinary Medicine		1

***VM 747 will have 2 labs, each on a Monday, from 3-5 PM. Dates to be determined each term. See Canvas for details.**

THIRD YEAR - Fall 2017 (August 21 - December 15, 2017)

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	VM 786AV Junior Practicum				
9:00					
10:00					
11:00					
Noon					
1:00	VM 749/VM 753	VM 749/VM 753	VM 749/VM 753	VM 749/VM 753	VM 749/VM 753
2:00					
3:00	VM 728	VM 721	VM 728	VM 796R	VM 796R
4:00			MKT 305	VM 732	VS 681A2 VTH A221
5:00					
6:00					

Final exams to be arranged.

<u>Required</u>			
VM 786A	Junior Practicum		8
VM 728	Principles of Imaging Interpretation II		2
VM 749	Clinical Sciences III (08/21-10/15)		5
VM 753	Clinical Sciences IV (10/16-12/10)		5
**Students will be required to complete the Capstone Exam II (2nd year material) at the beginning of this semester. Passing this examination is required for progression in the program.			
		Total Required Credits	20
<u>Electives</u>			
VM 721	Non-Mammalian Vertebrate Medicine		2
VM 732	Veterinary Sports Medicine and Rehabilitation		1
VM 796J	Swine Medicine (online class)		1
VM 796R	Food Animal Clinical Problems		3
VS 681A2	Performance Dog Medicine		2

THIRD YEAR – Spring 2018 (January 16 – May 4, 2018)

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	VM 712 (January 16– February 11)* VM 786AV Junior Practicum (February 12– May 4) -Practicum Rotations may run past 12:00 PM, depending on clinical requirements!				
9:00					
10:00					
11:00					
12:00		VM731	VM731		
1:00	VM 763	VM 773/VM 774	VM 763	VM 763	VM 763
2:00	VM 773/VM 774		VM 773/VM 774		VM 773/VM 774
3:00	VM 757	VM 730		VM 773/VM 774	VM 773/VM 774
4:00				VM 757	
5:00					

*One Full-Day (8-5pm) Class meeting date to be determined

Final exams to be arranged

ALL STUDENTS REGISTER FOR:

VM 712	Practice Management & Professional Development	(01/16 – 02/11)	4
VM 730	Applied Animal Behavior		2
VM 786A	Junior Practicum	(02/12 – 05/04)	5
* Students will be required to complete the Capstone Exam III (3 rd year material) at the beginning of this semester. Passing this examination is required for progression in the program.		(04/30 – 05/04)	

SMALL ANIMAL PRACTICE TRACK SELECTIVES: A Small Animal Tracker *must* register for VM 773 and VM 774.

VM 773	Small Animal Medicine and Surgery I	(01/16 – 03/11)	4
VM 774	Small Animal Medicine and Surgery II	(03/19 – 05/04)	4

LARGE ANIMAL PRACTICE TRACK SELECTIVES: A Large Animal Tracker *must* register for VM 757 and VM 763.

VM 757	Bovine Herd Medicine		3
VM 763	Equine Medicine and Surgery I		5

GENERAL ANIMAL PRACTICE TRACK SELECTIVES: A General Animal Tracker *must* register for at least 7 credits from this list of Track Selectives.

VM 757	Bovine Herd Medicine		3
VM 763	Equine Medicine and Surgery I		5
VM 773	Small Animal Medicine and Surgery I	(01/16 – 03/121)	4
VM 774	Small Animal Medicine and Surgery II	(03/20 – 05/04)	4

Total Required Core Credits in Any Track: minimum of 20

ELECTIVE (VM 731 does not fulfill required or Selective Track Credit requirements.)

VM612	Healer's Art	1 (1-0-0)
VM731	Biology & Disease of Small Mammals	2 (2-0-0)

4th Year 2017-2018

THIS ONLY FOR THE YEARS POSTED ABOVE – THIS CAN CHANGE YEAR TO YEAR
DEBBIE WILL MEET WITH 3RD YEARS IN AUGUST OF EACH YEAR

Small Animal Track Core Rotations:

Anesthesia – 3 weeks
Cardiology – 2 weeks
Critical and Emergency Care in Small Animals – 4 weeks
Community Practice – 4 weeks
Dermatology – 2 weeks
Diagnostic Imaging – 3 weeks
Small Animal Internal Medicine – 4 weeks
Neurology – 2 weeks
Oncology – 2 weeks
Ophthalmology – 2 weeks
Postmortem Diagnosis – 2 weeks
Small Animal Orthopedic Surgery – 2 weeks
Small Animal Soft Tissue Surgery – 2 weeks
Afterhours Small Animal Urgent Care – 2 weeks
Required Electives for SA Track: 4 weeks
Allowed Vacation for SA Track: 8 weeks

General Track Core Rotations:

Anesthesia – 3 weeks
Critical and Emergency Care in Small Animals – 4 weeks
Community Practice and Spay/Neuter – 2 weeks
Diagnostic Imaging – 3 weeks
Small Animal Internal Medicine – 2 weeks
Oncology – 2 weeks
Postmortem Diagnosis – 2 weeks
Small Animal Orthopedic Surgery – 2 weeks
Small Animal Soft Tissue Surgery – 2 weeks
*Equine Field Service or Dairy Field Service – 2 weeks
Equine Medicine – 2 weeks
Equine Lameness and Surgery – 2 weeks
Livestock Surgery and Medicine – 2 weeks
Large Animal Emergency Medicine – 2 weeks
Afterhours Small Animal Urgent Care – 2 weeks
Required Electives for GEN Track: 6 weeks
Allowed Vacation for GEN Track: 8 weeks

Large Track Core Rotations:

Anesthesia – 3 weeks
Diagnostic Imaging – 3 weeks
Postmortem Diagnosis – 2 weeks
Small Animal Internal Medicine – 2 weeks
**Small Animal Specialty Service – 2 weeks
Equine Field Service – 2 weeks
Equine Medicine – 2 weeks
Equine Lameness and Surgery – 4 weeks
Livestock Surgery and Medicine – 2 weeks
Dairy Field Service – 2 weeks
Large Animal Emergency Medicine – 2 weeks
Large Animal Approved Externship – 6 weeks
Afterhours Small Animal Urgent Care – 2 weeks
Required Electives for LARGE Track: 6 weeks
Allowed Vacation for LARGE Track: 8 weeks

***General trackers will be required to choose Equine Field or Food Animal Field. Debbie will be asking for your preferences and make every attempt to schedule the field service you prefer depending on availability.**

****Large animal trackers will be required to have a core of one of the following small animal specialty services: cardiology, dermatology, neurology, or ophthalmology. Debbie will be asking for a rank order of your preference and make every attempt to get your first choice.**