



Doctor of Veterinary Medicine Curriculum
Academic Year 2019-2020

Revised August 27, 2019

Fall Semester			Spring Semester		
FIRST YEAR			FIRST YEAR		
<u>Required</u>	<u>Title</u>	<u>Credits</u>	<u>Required</u>	<u>Title</u>	<u>Credits</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	2
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>Title</u>	<u>Credits</u>	<u>Electives</u>	<u>Title</u>	<u>Credits</u>
*ACT205	Fundamentals of Accounting	3	VM 621	Exotic Animal Anatomy & Husbandry	2
			VM 612	Healer's Art	1
			VM 781A4	Spanish for Rural Veterinarians	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>Title</u>	<u>Credits</u>	<u>Required</u>	<u>Title</u>	<u>Credits</u>
VM 710	Foundations of Veterinary Medicine	1	VM 711	Foundations of Veterinary Medicine	1
VM 714	Preventive Medicine	4	VM 726	Principles of Imaging Interpretation I	2
VM 722	Veterinary Pharmacology	4	VM 733	Principles of Surgery	2
VM 724	Bioanalytical Pathology	6	VM 737	Principles of Anesthesia	3
VM 735	Animal Welfare	2	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>Title</u>	<u>Credits</u>	<u>Electives</u>	<u>Title</u>	<u>Credits</u>
VM 680A4	Introduction to Spanish for Veterinarians	2	ANEQ 445	Foaling Management	2
VM 707	Emerging Issues in Animal Health	1	VM 612	Healer's Art	1
VM 796J	Swine Medicine (online course)	1	VM 716	Principles of Shelter Veterinary Medicine	1
*MGMT305	Fundamentals of Management	3	VM 781A4	Spanish for Rural Veterinarians	1
VM 781A2	Clinical Diagnostic Microbiology	2	*BUS 205	Legal and Ethical Issues in Business	3
VM 781A6	Spanish for Rural Veterinarians II	1			
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>Title</u>	<u>Credits</u>	<u>Required</u>	<u>Title</u>	<u>Credits</u>
VM 728	Principles of Imaging Interpretation II	2	VM 730	Applied Animal Behavior	2
VM 749	Clinical Sciences III	5	VM 781A5	Veterinary Professional Development	2
VM 753	Clinical Sciences IV	5	VM786A	Junior Practicum	6
VM 786A	Junior Practicum	8			
<u>Electives</u>	<u>Title</u>	<u>Credits</u>	TRACK SELECTIVES		
VM 721	Non-Mammalian Vertebrate Medicine	2	<u>Small Animal Practice Track (Required)</u>		
VM 732	Veterinary Sports Medicine and Rehabilitation	1	VM 773	Small Animal Medicine & Surgery I	4
VM 796J	Swine Medicine	1	VM 774	Small Animal Medicine & Surgery II	4
VM 796R	Food Animal Clinical Problems	3	<u>Large Animal Practice Track (Required)</u>		
*MKT 305	Fundamentals of Marketing	3	VM 757	Bovine Herd Health Medicine	3
VM 781A2	Clinical Diagnostic Microbiology	2	VM 763	Equine Medicine & Surgery I	5
VM 781A6	Spanish for Rural Veterinarians II	1	<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>Electives</u>	<u>Title</u>	<u>Credits</u>
			VM 612	Healer's Art	1

<p>*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.</p> <p>**Please refer to the Capstone Policy at http://csu-cvmb.colostate.edu/Documents/dvm-policy-capstone.pdf</p>	<table> <tr> <td>VM 731</td> <td>Biology & Disease of Small Mammals</td> <td>2</td> </tr> <tr> <td>VM 777</td> <td>Feline Medicine</td> <td>1</td> </tr> <tr> <td>VM 780A4</td> <td>Veterinary Practice Management</td> <td>1</td> </tr> <tr> <td>VM 781A4</td> <td>Spanish for Rural Veterinarians</td> <td>1</td> </tr> </table> <p>**Students will be required to complete the Capstone Exam III (3rd year material) at the end of this semester. Passing this examination is required for progression in the program.</p>	VM 731	Biology & Disease of Small Mammals	2	VM 777	Feline Medicine	1	VM 780A4	Veterinary Practice Management	1	VM 781A4	Spanish for Rural Veterinarians	1
VM 731	Biology & Disease of Small Mammals	2											
VM 777	Feline Medicine	1											
VM 780A4	Veterinary Practice Management	1											
VM 781A4	Spanish for Rural Veterinarians	1											
FOURTH YEAR (Summer-Fall-Spring)													
<u>Required</u> VM 786 B	<u>Title</u> Senior Practicum	<u>Credits</u> 42											

FIRST YEAR - Fall 2019 (August 26 - December 13, 2019)

	Monday	Tuesday	Wednesday		Thursday	Friday
8:00	VM 616 W118	VM 625 W118			VM 625 W118	VM 606 W118
9:00		VM 618 W118	VM 618 (L03) PATH112		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 (L) 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 group) PATH101	VM 618 (L02) PATH112	VM 610 (L) W118		VM 616 (L) W117	VM 616 (L) W117
3:00	VM 618 (L01) PATH112		VM 610 (L) multiple rooms			
4:00					VM 681A2 (UAF only)	
5:00						
6:00						

*Final exams to be arranged

Required	Title	Credits
VM 603	Veterinary Science: Research and Methods	1
VM 606	Veterinary Immunology	3
VM 610	Foundations of Veterinary Medicine	1
VM 616	Functional Anatomy	9
VM 618	Veterinary Physiology and Histology	7
VM 625	Principles of Diagnostic Imaging	2
	Total Required Credits	23

FIRST YEAR – Spring 2020 (January 21 – May 8, 2020)

	Monday	Tuesday	Wednesday	Thursday	Friday	Online
8:00	VM 637 W118		VM 637 W118	VM 648* W118	VM 640 (R01) PA112	VM 781A4
9:00	VM 619 W118		VM 619 W118		VM 640 (R02) PA112	
10:00	VM 619 Lab All Sect. W117/PA112	VM 619 W118	VM 619 Lab All Sect. W117/PA112	VM 619 Lab All Sect W118	VM 640 (R03) PA 112	
11:00		VM 623 W118		VM 623 W118		
Noon						
1:00	VM 640 W118	VM 640 W118	VM 640 W118	VM 640 W118	VM 648* W118	
2:00	VM 611 W118	VM 638 W118	VM 638 W118	VM 639 W118		
3:00	VM 611 multiple rooms	VM 621 AZ W118	VM 621 Lab W117			
4:00						
5:00						
6:00			VM 612 VTH			
7:00						
8:00						

*Friday class time is for VM 648 field trips and certain guest lectures instead of Thursday session

Final exams to be arranged

Required	Title	Credits
VM 611	Foundations of Veterinary Medicine	1
VM 619	Veterinary Neurobiology	4
VM 623	Veterinary Nutrition and Metabolism	2
VM 637	Veterinary Bacteriology and Mycology	2
VM 638	Veterinary Parasitology	2
VM 639	Veterinary Virology	2
VM 640	Biology of Disease I	5
VM 648	Food Animal Production and Food Safety	2
Total Required Credits		20

Electives	Title	Credits
VM 612	Healer's Art	1
VM 621	Exotic Animal Anatomy & Husbandry	2
VM 781A4	Spanish for Rural Veterinarians	1

SECOND YEAR – Fall 2019 (August 26 - December 13, 2019)

	Monday	Tuesday	Wednesday	Thursday	Friday	Online
8:00	VM 714 PATH101	VM 751 PATH101	VM 680A4 PATH109	VM 751 PATH101	VM 741 (R01) PATH112 VM 741 (R02) PATH112 VM 741 (R03) PATH112	VM 781A6
9:00		VM 724 (R01) * PATH112	VM 714 PATH101	VM 724 (R01)* PATH112		
10:00	VM 724 PATH101	VM 724 (R02) * PATH112		VM 724 (R02)* 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 710 PATH 101	VM 741 PATH101	VM 741 PATH 101	VM 724 PATH101	
3:00		VM 710 (L) multiple rooms PATH109, PATH101	VM 707 AZ E112	VM 735 PATH101	VM 680A4 PATH109	
4:00	VM 781A2 AZ E202		VM 781A2 AZ E202			VM 796J (Online)
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

Required	Title	Credits
VM 710	Foundations of Veterinary Medicine	1
VM 714	Preventive Medicine	4
VM 722	Veterinary Pharmacology	4
VM 724	Bioanalytical Pathology	6
VM 735	Animal Welfare	2
VM 741	Biology of Disease II	4
VM 751	Veterinary Clinical Toxicology	2
Total Required Credits		21

Electives	Title	Credits
VM 680A4	Introduction to Spanish for Veterinarians	2
VM 707	Emerging Issues in Animal Health	1
VM 796J	Swine Medicine (10/15-12/09) online class	1
VM 781A2	Clinical Diagnostic Microbiology	2
VM 781A6	Spanish for Rural Veterinarians II	1

***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.**

SECOND YEAR - Spring 2020 (January 21 – May 8, 2020)

	Monday	Tuesday		Wednesday	Thursday	Friday	Online
8:00	VM 742 PATH101	VM 744 L01 PATH112		VM 737 R02 Path109	VM 733 PATH101	VM 742 PATH101	VM 733 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	VM 745/747 PATH101
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 Lab multiple rooms			VM 747 PATH101		
4:00					ANEQ 445 PATH101		
5:00							
6-9pm				VM 612 VTH			

Final exams to be arranged

Required	Title	Credits
VM 711	Foundations of Veterinary Medicine	1
VM 726	Principles of Imaging Interpretation I	2
VM 733	Principles of Surgery (01/21 – 03/13)	2
VM 737	Principles of Anesthesia	3
VM 742	Biology of Disease III	3
VM 744	Therigenology	3
VM 745	Introduction to Clinical Sciences I (01/21 – 03/13)	5
*VM 747	Introduction to Clinical Sciences II (03/16 – 05/8)	5
Total Required Credits		24

Electives	Title	Credits
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 781A4	Spanish for Rural Veterinarians	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 2019 (August 26 - December 13, 2019)

	Monday	Tuesday	Wednesday	Thursday	Friday	Online
8:00	VM 786A Junior Practicum					VM 781A6
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	
4:00	VM 781A2		VM 732	VM781A2	VM 796R	
5:00						
6:00						

Final exams to be arranged.

Required	Title	Credits
VM 786A	Junior Practicum	8
VM 728	Principles of Imaging Interpretation II	2
VM 749	Clinical Sciences III (08/26-10/20)	5
VM 753	Clinical Sciences IV (10/21-12/13)	5
	Total Required Credits	20

Electives	Title	Credits
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
VM 781A2	Clinical Diagnostic Microbiology	2
VM 781A6	Spanish for Rural Veterinarians II	1

****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.**

THIRD YEAR – Spring 2020 (January 21 – May 8, 2020)

	Monday	Tuesday	Wednesday	Thursday	Friday	Online
8:00	VM 780A4 (January 21– February 11)	VM 780A4 (January 21– February 11)	VM 781A5 (January 21– February 11)	VM 781A5 (January 21– February 11)	VM 781A5 (January 21– February 11)	VM 781A4
9:00						
10:00	VM 786AV Junior Practicum (February 12– May 8)*	VM 786AV Junior Practicum (February 12– May 8)*	VM 786AV Junior Practicum (February 12– May 8)*	VM 786AV Junior Practicum (February 12– May 8)*	VM 786AV Junior Practicum (February 12– May 8)*	
11:00						
12:00		VM731	VM731			
1:00	VM 763	VM 730	VM 763	VM 763	VM 763	
2:00	VM 773/VM 774					
3:00	VM 757	VM 773/VM 774	VM 773/VM 774	VM 773/VM 774	VM 773/VM 774	
4:00				VM 757		
5:00		VM 777 A234	VM 612 (6-9 PM)			

* Practicum Rotations may run past 12:00 PM, depending on clinical requirements

Final exams to be arranged

ALL STUDENTS REGISTER FOR:

Course #	Title	Dates	Credits
VM781A5	Veterinary Professional Development	(01/21 – 02/11)	2
VM 730	Applied Animal Behavior		2
VM 786A	Junior Practicum	(02/12 – 05/8)	5

* 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.

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

Course #	Title	Dates	Credits
VM 773	Small Animal Medicine and Surgery I	(01/21 – 03/13)	4
VM 774	Small Animal Medicine and Surgery II	(03/16 – 05/8)	4

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

Course #	Title	Dates	Credits
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.

Course #	Title	Dates	Credits
VM 757	Bovine Herd Medicine		3
VM 763	Equine Medicine and Surgery I		5
VM 773	Small Animal Medicine and Surgery I	(01/21 – 03/13)	4
VM 774	Small Animal Medicine and Surgery II	(03/16 – 05/8)	4

Total Required Core Credits in Any Track: minimum of 20

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

Course #	Title	Credits
VM 612	Healer's Art	1 (1-0-0)
VM 731	Biology & Disease of Small Mammals	2 (2-0-0)
VM 777	Feline Medicine	1 (1-0-0)

Course #	Title	Credits
VM 780A4	Veterinary Practice Management	1 (1-0-0)
VM 781A4	Spanish for Rural Veterinarians	1 (1-0-0)

4th Year 2019-2020

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.**