

# Professional Veterinary Medicine Curriculum

## Academic Year 2011-2012

Colorado State University

COLLEGE OF VETERINARY MEDICINE  
AND BIOMEDICAL SCIENCES

Fall Semester			Spring Semester		
<b>FIRST YEAR</b>			<b>FIRST YEAR</b>		
<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	3
VM 616	Functional Anatomy	8	VM 637	Veterinary Bacteriology & Mycology	3
VM 618	Organ Systems: Anatomy & Physiology	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>Elective</u>			<u>Electives</u>		
ACT 205	Fundamentals of Accounting	3	VM 621	Exotic Animal Anatomy & Husbandry	2
			VM 680A2	Healer's Art	
			FIN 305	Fundamentals of Finance	3
<b>SECOND YEAR</b>			<b>SECOND YEAR</b>		
<u>Required</u>			<u>Required</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 741	Biology of Disease II	4	VM 742	Biology of Disease III	3
VM 751	Veterinary Clinical Toxicology	2	VM 744	Theriogenology	3
VM 795	Capstone Exam I (1 <sup>st</sup> year material)	1	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 780	Veterinary Ethics	1	FIN 305	Fundamentals of Finance	3
MGT 305	Fundamentals of Management	3	BUS 205	Legal/Ethical Issues Business	3
			VM 680A2	Healer's Art	
			VM 716	Principles of Shelter Veterinary Medicine	1
<b>THIRD YEAR</b>			<b>THIRD YEAR</b>		
<u>Required</u>			<u>Required</u>		
VM 728	Principles of Imaging Interpretation II	2	VM 712	Practice Management & Prof. Development	4
VM 749	Clinical Sciences III	5	VM 730	Applied Animal Behavior	2
VM 753	Clinical Sciences IV	5	VM786AV	Junior Practicum	6
VM 786AV	Junior Practicum	8	VM 795	Capstone Exam III (3 <sup>rd</sup> year material)	2
VM 795	Capstone Exam II (2 <sup>nd</sup> year material)	1			
<u>Electives</u>			<b>TRACK SELECTIVES</b>		
VM 720	Alternative & Complementary Therapeutics	1	<u>Small Animal Practice Track (Required)</u>		
VM 721	Non-Mammalian Vertebrate Medicine	2	VM 773	Small Animal Medicine & Surgery I	4
VM 781A1	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
			<u>General Practice Track</u>		
			Choose a minimum of 7 credits from VM 773, VM 774, VM 757 & VM 763		
			<u>Elective</u> (VM 731 credits cannot be counted to fulfill Track Selective requirements.)		
			VM 731	Biology & Disease of Small Mammals	2
<b>FOURTH YEAR (Summer-Fall-Spring)</b>					
<u>Required</u>					
	VM 786 BV	Senior Practicum			42
<u>Summer Elective</u>					
	MGT 340	Entrepreneurship in the Contemporary World – Summer			3

**FIRST YEAR - Fall 2011 (August 22 - December 9, 2011)**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00	VM 616 W118	VM 625 W118	VM 618 (L) PA112	VM 625 W118	VM 603 W118
9:00	VM 616 W118	VM 618 W118		VM 618 W118	VM 618 W118
10:00	VM 616 (L) W117	VM 616 (R) W118	VM 616 (L) W117	VM618 (R) W118	VM 606 W118
11:00		VM 616 W118		VM 606 W118	
Noon	ACT 205 RCKWL 167		ACT 205 RCKWL 167		ACT 205 RCKWL 167
1:00	VM 618 W118	VM 618 W118		VM 616 W118	VM 616 W118
2:00	VM 618 (L) PA112	VM 618 (L) PA112	VM 610 W118	VM 616 (L) W117	VM 616 (L) W117
3:00			VM 610 multiple rooms		
4:00					
5:00		ACT 205		ACT 205	
6:00		NATRS 113		NATRS 113	

**Final exams to be arranged**

<u>Required</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>College of Business Elective</u>			
ACT 205	Fundamentals of Accounting		3

**FIRST YEAR – Spring 2012 (January 17 – May 4, 2012)**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00	VM 637 W118		VM 637 W118	VM 648* W118	VM 640 (R01) PA112
9:00	VM 619 W118	VM 637 W118	VM 619 W118		VM 640 (R02) PA112
10:00	VM 619 Lab All Sect. W117	VM 619 W118	VM 619 Lab All Sect. W117	VM 619 Lab All Sect W118	VM 640 (R03) PA 112
11:00		VM 623 W118		VM 623 W118	
Noon	MGT305/MKT305		MGT305/MKT305		MGT305/MKT305
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 A221 VTH	VM 621 lab W117	VM 639 W118	
4:00					
5:00		BUS 205		BUS 205	
6:00			VM 680A2		
7:00					
8:00					

**Final exams to be arranged**

<u>Required</u>			
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		3
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 (*Friday class time is for VM 648 field trips and certain guest lectures instead of Thursday session)		2
		<b>Total Required Credits</b>	<b>21</b>
<u>Electives</u>			
VM 621	Exotic Animal Anatomy & Husbandry		2
VM 680A2	Healer's Art		1
BUS 205	Legal/Ethical Issues Business		3
MGT 305	Fundamentals of Management		3
MKT 305	Fundamentals of Marketing		3

**SECOND YEAR – Fall 2011(August 22 - December 9, 2011)**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00	VM 714 PA101			VM780A2 PA109	VM 741 PA112 R01 VM 741 PA112 R02 VM 741 PA112 R03
9:00	VM 714 PA101	VM 724 (R01) * PA112	VM 714 PA101	VM 724 (R01)* PA112	
10:00	VM 724 PA101	VM 724 (R02) * PA112		VM 724 (R02)* PA112	
11:00	VM 724 PA101	VM 724 (R03) * PA101	VM 724 PA101	VM 724 (R03)* PA101	
Noon					
1:00	VM 722 PA101	VM 722 PA101	VM 722 PA101	VM 722 PA101	VM 741 PA101
2:00	VM 751 PA101	VM 710 PA 101	VM 741 PA101	VM 741 PA 101	VM 724 PA101
3:00		VM 710 multiple rooms	VM 707 AZ E112	VM 751 PA101	
4:00					
5:00				MGT305	
6:00				RCKWL 105	

**\*Approximately fifty percent of the time all sections meet together from 11:00-11:50 am**

<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
VM 795	Capstone Exam I (1st year material)		1
		Total Required Credits	22
<u>Electives</u>			
VM 707	Emerging Issues in Infectious Disease		1
VM 780A2	Veterinary Ethics		1
MGT 305	Fundamentals of Management		3

**SECOND YEAR - Spring 2012 (January 17 – May 4, 2012)**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
8:00	VM 742 PA101	VM 744 L01 PA112	VM 737 R02 PA109	VM 733 PA101	VM 742 PA101
9:00	VM 737 PA101		VM 733 R 002 PA101	VM 745/747 PA101	VM 742, R01 PA112
10:00	VM 745/747 PA101	VM 744 L02 PA112	VM 733 R 003 PA101	VM 737 R01 PA109	VM 742, R02 PA112
11:00	VM 726 PA101		VM 733 R 001 PA101	VM 726 PA101	VM 742, R03 PA112
Noon	MGT305/MKT305	VM 744 L03 PA112		MGT305/MKT305	VM 716 PA 101
1:00	VM 745/747 PA101			VM 745/747 PA101	VM 745/747 PA101
2:00		VM 711 PA 101		VM 744 PA101	VM 737 PA101
3:00	FIN 305	VM 711 multiple rooms		FIN 305	VM 747 PA101 (03/21 – 05/06 only)
4:00					ANEQ 445 PA101
5:00		BUS 205			BUS 205
6:00			VM 680A2		

**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 (1/17 – 3/10 )		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 (1/17 – 3/10)		5
VM 747	Introduction to Clinical Sciences II (3/19-05/04)		5
		<b>Total Required Credits</b>	<b>24</b>
<b>Electives</b>			
ANEQ 445	Foaling Management (Lab section times to be arranged)		2
BUS 205	Legal/Ethical Issues Business		3
FIN 305	Fundamentals of Finance (if you didn't take as a 1st year PVM student)		3
MGT 305	Fundamentals of Management		3
MKT 305	Fundamentals of Marketing		3
VM 680A2	Healer's Art		1
VM 716	Basic Principles of Shelter Veterinary Medicine		1

**THIRD YEAR - Fall 2011(August 22 - December 9, 2011)**

	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		MKT 305		MKT 305
5:00	VM 720		VM 781A1		
6:00					

**Final exams to be arranged.**

<u>Required</u>			
VM 786AV	Junior Practicum		8
VM 728	Principles of Imaging Interpretation II		2
VM 749	Clinical Sciences III (8/ 22-10/ 14)		5
VM 753	Clinical Sciences IV (10/17-12/09)		5
VM 795	Capstone Exam II (second-year material)		1
		Total Required Credits	23
<u>Electives</u>			
VM 720	Alternative & Complementary Therapeutics		1
VM 721	Non-Mammalian Vertebrate Medicine		2
VM 781 A1	Veterinary Sports Medicine and Rehabilitation		1
VM 796	Swine Medicine		1
VM 796	Food Animal Clinical Problems		3
MKT 305	Fundamentals of Marketing		3

**THIRD YEAR – Spring 2012 (January 17 – May 4, 2012)**

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	VM 712 (January 17– February 11)				
9:00					
10:00	VM 786AV Junior Practicum (February 13– May 6)				
11:00	Practicum Rotations may run past 12:00 PM, depending on clinical requirements!				
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					

Final exams to be arranged

**ALL STUDENTS REGISTER FOR:**

VM 712	Practice Management & Professional Development	(1/ 17 – 2/10)	4
VM 730	Applied Animal Behavior	(01/17 – 5/4)	2
VM 786AV	Junior Practicum	(2/13 – 5/4)	6
VM 795	Capstone (third-year material)		2

**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	(1/18 – 3/ 11)	4
VM 774	Small Animal Medicine and Surgery II	(3/21 – 5/06)	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	(1/18 – 3/11 )	4
VM 774	Small Animal Medicine and Surgery II	(3/21 – 5/06 )	4

Total Required Core Credits in Any Track : minimum of 21.

**ELECTIVE** (VM 731 does not fulfill Required or Selective Track Credit requirements.)  
 VM 731                      Biology & Disease of Small Mammals                      2 (2-0-0)