

Curriculum Structure
Doctor of Veterinary Medicine Program
(Revised Curriculum 2013)

	1. General Education	a minimum of	30 Credits
	1.1 Language and Communication		12 Credits
001101	ENGL 101 Listening and Speaking in English		3(3-0-6)
001102	ENGL 102 Reading and Writing in English		3(3-0-6)
001201	ENGL 201 Critical Reading and Effective Writing		3(3-0-6)
001202	ENGL 202 English in Professional Contexts		3(3-0-6)
	1.2 Humanities and Social Sciences	a minimum of	10 Credits
751100	ECON 100 Economics for Everyday Life		3(3-0-6)
	Select a minimum of 7 credits from		
011257	PHIL 257 Ethics		3(3-0-6)
011269	PHIL 269 Philosophy of Sufficiency Economy		3(3-0-6)
013110	PSY 110 Psychology and Daily Life		3(3-0-6)
050100	HUGE 100 Usage of the Thai Language		3(3-0-6)
050111	HUGE 111 Man and Quest for Knowledge		3(3-0-6)
074101	EDHL 101 Promoting of Health in Everyday Life		3(2-2-5)
109115	FAGE 115 Life and Aesthetics		3(3-0-6)
176100	LAGE 100 Law and Modern World		3(3-0-6)
702101	FINA 101 Finance for Daily Life		3(3-0-6)
703103	MGMT 103 Introduction to Entrepreneurship and Business		3(3-0-6)
703104	MGMT 104 Ethical Reasoning		1(1-0-2)
703131	MGMT 131 Personal Leadership Development		1(1-0-2)
	1.3 Science and Mathematics	a minimum of	6 Credits
	Select from		
201111	SC 111 The World of Science		3(3-0-6)
201114	SC 114 Environmental Science In Today's World		3(3-0-6)
204100	CS 100 Information Technology and Modern Life		3(2-2-5)
207110	PHYS 110 Physics : The Science that Changed the World		3(3-0-6)
327100	FMED 100 Disaster Preparedness for Health and Life		3(3-0-6)
351100	AEC 100 Agricultural Economics Based on Sufficiency Economy		3(3-0-6)

359204	HORT 204	Horticultural for Health	2(2-0-4)
362211	CONS 211	Principles of Conservation	3(3-0-6)
510100	AMS 100	Wellness	3(2-6-7)
571111	NGGE 111	Critical Thinking and Creative Thinking	3(2-2-5)
571113	NGGE 113	Maintenance of Equilibrium in Adolescent Life	3(3-0-6)
651100	VM 100	Dog Care	2(1-2-3)
651104	VM 104	Elephant in Thai Cultures	2(2-0-4)
651105	VM 105	Ecosystem and Health	3(3-0-6)
	1.4 Activities Base Course		2 Credits
651107	VM 107	Learning through Activities	2(1-3-0)

2. Field of Specialization **a minimum of 212 Credits**

2.1 Core Courses **22 Credits**

203154	CHEM 154	Basic Chemistry for Health Science Students	2(2-0-4)
203159	CHEM 159	Basic Chemistry Laboratory for Health Science Students	1(0-3-1)
207125	PHYS 125	Physics for Veterinary Students	1(1-0-2)
207195	PHYS 195	Physics Laboratory for Veterinary Students	1(0-3-1)
351211	AEC 211	Agricultural Business Management	3(3-0-6)
356231	ANS 231	Animal Breeding	3(3-0-6)
356242	ANS 242	Principle of Monogastric Animal Production	3(3-0-6)
356243	ANS 243	Principle of Ruminant Production	3(3-0-6)
356261	ANS 261	Statistical Method and Inference in Animal Husbandry	3(3-0-6)
651231	VM 231	Principle of Aquatic Animal Production	2(2-0-4)

2.2 Major **190 Credits**

1) Required Courses : **181 Credits**

303261	BCHM 261	Biochemistry for Veterinary Students	6(4-4-10)
318341	PATH 341	General Pathology for Veterinary Students	3(2-3-5)
320361	PHCO 361	Pharmacology for Veterinary Students	4(3-3-7)
321361	PHSO 361	Physiology for Veterinary Students	5(4-4-10)
324321	RADI 321	Radiology for Veterinary Students	2(1-3-3)
356202	ANS 202	Principles of Feed and Animal Nutrition	3(3-0-6)

651108	VM 108	Veterinary Embryology	2(1-3-3)
651201	VM 201	Body Structure and Function 1	4(2-6-5)
651202	VM 202	Body Structure and Function 2	5(3-6-9)
651203	VM 203	Agents of Diseases 1	3(2-3-5)
651232	VM 232	Basic Horse Riding and Horse Care	2(1-3-3)
651291	VM 291	Veterinary Integrative Problem Solving 1	2(2-0-4)
651292	VM 292	Animal Behaviors and Restraints	2(1-2-3)
651301	VM 301	Body Structure and Function 3	3(2-3-5)
651302	VM 302	Body Structure and Function 4	3(2-3-5)
651304	VM 304	Agents of Diseases 2	5(3-6-9)
651305	VM 305	Veterinary Pharmacology and Toxicology	4(3-3-7)
651322	VM 322	Theriogenology	3(2-3-5)
651390	VM 390	Veterinary Field Practice 1	1(0-6-3)
651391	VM 391	Veterinary Integrative Problem Solving 2	2(2-0-4)
651392	VM 392	Veterinary Integrative Problem Solving 3	2(2-0-4)
651414	VM 414	Veterinary Pathobiology 2	3(2-3-5)
651415	VM 415	Veterinary Pathobiology 3	5(3-6-9)
651416	VM 416	Food Safety in Veterinary Medicine 1	4(3-3-7)
651417	VM 417	Food Safety in Veterinary Medicine 2	4(3-3-7)
651418	VM 418	Veterinary Environmental Health	1(1-0-2)
651419	VM 419	Veterinary Laws	1(1-0-2)
651424	VM 424	Zoonoses	2(2-0-4)
651425	VM 425	Veterinary Epidemiology	3(2-2-5)
651426	VM 426	Principle and Diagnostic Techniques of Veterinary Medicine	5(4-2-9)
651427	VM 427	Veterinary Surgery	5(3-6-9)
651432	VM 432	Diseases of Aquatic Animal, Amphibians and Reptiles	2(2-0-4)
651433	VM 433	Laboratory Animal Science	3(2-2-5)
651491	VM 491	Veterinary Field Practice 2	1(0-6-0)
651492	VM 492	Veterinary Integrative Problem Solving 4	2(2-0-4)
651495	VM 495	Veterinary Perspectives	2(2-0-4)
651520	VM 520	Principle of Production Medicine	2(2-0-4)

651531	VM 531	Diseases of Dogs and Cats	5(5-0-10)
651533	VM 533	Diseases of Zoo and Exotic Animal	2(2-0-4)
651534	VM 534	Diseases of Poultry	4(4-0-8)
651536	VM 536	Diseases of Swine	5(5-0-10)
651537	VM 537	Diseases of Horse	3(3-0-6)
651538	VM 538	Diseases of Ruminants	5(5-0-10)
651541	VM 541	Clinical Rotation in Small Animal	3(0-9-4)
651542	VM 542	Clinical Rotation in Veterinary Public Health	1(0-3-1)
651543	VM 543	Clinical Rotation in Elephant and Wildlife	1(0-3-1)
651544	VM 544	Clinical Rotation in Equine	1(0-3-1)
651545	VM 545	Clinical Rotation in Poultry	1(0-3-1)
651546	VM 546	Clinical Rotation in Swine	1(0-3-1)
651547	VM 547	Clinical Rotation in Ruminant	2(0-6-3)
651548	VM 548	Clinical Rotation in Aquatic Animal	1(0-3-1)
651594	VM 594	Veterinary Integrative Problem Solving 5	2(2-0-4)
651630	VM 630	Aquatic Animal Practice – Clerkship	3(0-9-4)
651631	VM 631	Elephant and Wildlife Practice – Clerkship	3(0-9-4)
651641	VM 641	Abattoirs and Veterinary Public Health – Clerkship	3(0-9-4)
651643	VM 643	Companion Animal Practice – Clerkship	3(0-9-4)
651644	VM 644	Equine Practice – Clerkship	3(0-9-4)
651646	VM 646	Swine Practice – Clerkship	3(0-9-4)
651647	VM 647	Ruminant Practice – Clerkship 1	3(0-9-4)
651649	VM 649	Avian Practice – Clerkship	3(0-9-4)
651664	VM 664	Veterinary Preceptorship	3(0-9-4)
651699	VM 699	Research in Veterinary Medicine	6(1-30-17)

2) Major Electives

a minimum of

9 Credits

Select from

651640	VM 640	Necropsy and Diagnostic Laboratory – Clerkship	3(0-9-4)
651642	VM 642	Anesthesiology and Diagnostic Imaging – Clerkship	3(0-9-4)
651648	VM 648	Ruminant Practice – Clerkship 2	3(0-9-4)

651650	VM 650	Problems in Necropsy and Diagnostic Laboratory – Clerkship	3(0–9–4)
651651	VM 651	Problems in Abattoirs and Veterinary Public Health – Clerkship	3(0–9–4)
651652	VM 652	Problems in Anesthesiology and Diagnostic Imaging – Clerkship	3(0–9–4)
651653	VM 653	Problems in Companion Animal Practice – Clerkship	3(0–9–4)
651654	VM 654	Problems in Equine Practice – Clerkship	3(0–9–4)
651656	VM 656	Problems in Swine Practice – Clerkship	3(0–9–4)
651657	VM 657	Problems in Ruminant Practice – Clerkship	3(0–9–4)
651658	VM 658	Problems in Avian Practice – Clerkship	3(0–9–4)
651659	VM 659	Problems in Food Animal Surgery – Clerkship	3(0–9–4)
651660	VM 660	Problems in Food Animal Theriogenology – Clerkship	3(0–9–4)
651661	VM 661	Problems in Companion Animal Surgery – Clerkship	3(0–9–4)
651662	VM 662	Problems in Companion Animal Theriogenology – Clerkship	3(0–9–4)
651663	VM 663	Intensive Care and Emergency Unit – Clerkship	3(0–9–4)
651665	VM 665	Problems in Aquatic Animal Practice – Clerkship	3(0–9–4)
651666	VM 666	Problems in Elephant and Wildlife Practice – Clerkship	3(0–9–4)
651698	VM 698	Veterinary Cooperative Education	6(0–36–18)

3. Free Electives **a minimum of 6 Credits**

Total Credits a minimum of 248 credits