

**Curriculum Structure**  
**Doctor of Veterinary Medicine Program**  
**(Revised Curriculum 2009)**

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<b>1. General Education</b>		<b>30</b>	<b>Credits</b>
<b>1.1 Language and Communication</b>		<b>12</b>	<b>Credits</b>
001101	ENGL 101 Listening and Speaking in English	3	
001102	ENGL 102 Reading and Writing in English	3	
001201	ENGL 201 Critical Reading and Effective Writing	3	
001202	ENGL 202 English in Professional Contexts	3	
<b>1.2 Humanities and Social Sciences</b>		<b>8</b>	<b>Credits</b>
751100	ECON 100 Economics for Everyday Life	3	
Select 5 credits from			
011257	PHIL 257 Ethics	3	
011269	PHIL 269 Philosophy of Sufficiency Economy	3	
013110	PSY 110 Psychology and Daily Life	3	
050100	HUGE 100 Usage of The Thai Language	3	
050111	HUGE 111 Man and Quest for Knowledge	3	
074101	EDHL 101 Promoting of Health in Everyday Life	3	
109115	FAGE 115 Life and Aesthetics	3	
176100	LAGE 100 Law and Modern World	3	
702101	FINA 101 Finance for Daily Life	3	
703103	MGMT 103 Introduction to Entrepreneurship and Business	3	
703104	MGMT 104 Ethical Reasoning	1	
703131	MGMT 131 Personal Leadership Development	1	
<b>1.3 Science and Mathematics</b>		<b>8</b>	<b>Credits</b>
Select 8 credits from			
201114	SC 114 Environmental Science in Today's World	3	
201200	SC 200 Scientific Ethics for Thai Society	3	
204100	CS 100 Information Technology and Modern Life	3	
327100	FMED 100 Disaster Preparedness for Health and Life	3	

351100	AEC 100	Agricultural Economics Based on Sufficiency Economy	3
356211	CONS 211	Principles of conservation	3
359204	HORT 204	Horticultural for Health	2
510100	AMS 100	Wellness	3
571111	NGGE 111	Critical Thinking and Creative Thinking	3
571113	NGGE 113	Maintenance of Equilibrium in Adolescent Life	3
651100	VM 100	Dog Care	2
651104	VM 104	Elephant in Thai Cultures	2
<b>1.4 Activities Base Course</b>			<b>2 Credits</b>
651107	VM 107	Student Quality Development Through Activities	2
<b>2. Field of Specialization</b>			<b>212 Credits</b>
<b>2.1 Core Courses</b>			<b>97 Credits</b>
203154	CHEM 154	Basic Chemistry for Health Science Students	2
203159	CHEM 159	Basic Chemistry Laboratory for Health Science Students	1
207125	PHYS 125	Physics for Veterinary Students	1
207195	PHYS 195	Physics Laboratory for Veterinary Students	1
303261	BCHM 261	Biochemistry for Veterinary Students	6
318341	PATH 341	General Pathology for Veterinary Students	3
320361	PHCO 361	Pharmacology for Veterinary Students	4
321361	PHSO 361	Physiology for Veterinary Students	5
324321	RADI 321	Radiology for Veterinary Students	2
351211	AEC 211	Agricultural Business Management	3
356202	ANS 202	Principles of Feed and Animal Nutrition	3
356231	ANS 231	Animal Breeding	3
356242	ANS 242	Principles of Monogastric Animal Production	3
356243	ANS 243	Principles of Ruminant Production	3
356261	ANS 261	Statistical Method and Inference in Animal Husbandry	3
651108	VM 108	Veterinary Embryology	2
651201	VM 201	Body Structure and Function I	4
651202	VM 202	Body Structure and Function II	5
651203	VM 203	Agents of Diseases I	3

651231	VM 231	Principle of Aquatic Animal Production	2
651232	VM 232	Basic Horse Riding and Horse Care	2
651301	VM 301	Body Structure and Function III	3
651302	VM 302	Body Structure and Function IV	3
651304	VM 304	Agents of Diseases II	5
651305	VM 305	Veterinary Pharmacology and Toxicology	4
651322	VM 322	Animal Theriogenology	3
651414	VM 414	Veterinary Pathobiology II	3
651415	VM 415	Veterinary Pathobiology III	5
651426	VM 426	Principle and Diagnostic Techniques of Veterinary Medicine	5
651427	VM 427	Veterinary Surgery	5
<b>2.2 Major</b>			<b>115 Credits</b>
<b>2.2.1 Required Courses :</b>			<b>106 Credits</b>
651291	VM 291	Veterinary Integrative Problem Solving I	2
651292	VM 292	Animal Behaviors and Restraints	2
651390	VM 390	Veterinary Field Practice I	1
651391	VM 391	Veterinary Integrative Problem Solving II	2
651392	VM 392	Veterinary Integrative Problem Solving III	2
651416	VM 416	Food Safety in Veterinary Medicine I	4
651417	VM 417	Food Safety in Veterinary Medicine II	4
651418	VM 418	Veterinary Environmental Health	1
651419	VM 419	Veterinary Laws	1
651424	VM 424	Zoonoses	2
651425	VM 425	Veterinary Epidemiology	3
651432	VM 432	Diseases of Aquatic Animal, Amphibians and Reptiles	2
651433	VM 433	Laboratory Animal Science	3
651491	VM 491	Veterinary Field Practice II	1
651492	VM 492	Veterinary Integrative Problem Solving IV	2
651495	VM 495	Veterinary Perspectives	2
651520	VM 520	Principle of Production Medicine	2
651531	VM 531	Diseases of Dogs and Cats	5

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

### 2.2.2 Major Electives

**9 Credits**

Select 9 credits from

651640	VM 640	Necropsy and Diagnostic Laboratory – Clerkship	3
651642	VM 642	Anesthesiology and Diagnostic Imaging – Clerkship	3
651648	VM 648	Ruminant Practice – Clerkship II	3
651650	VM 650	Problems in Necropsy and Diagnostic Laboratory – Clerkship	3

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

**2.3 Minor** : None

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

**Total** : a minimum of **248 Credits**