

**Curriculum Structure**  
**Doctor of Veterinary Medicine Program**  
**(Revised Curriculum 2015)**

Name of the curriculum : Doctor of Veterinary Medicine Program  
 Name of the degree : (Full) Doctor of Veterinary Medicine  
 : (Abbr) D.V.M.

<b>1. General Education</b>			<b>a minimum of 30 Credits</b>
<b>1.1 Language and Communication</b>			<b>12 Credits</b>
001101	ENGL 101	Fundamental English 1	3(3-0-6)
001102	ENGL 102	Fundamental English 2	3(3-0-6)
001201	ENGL 201	Critical Reading and Effective Writing	3(3-0-6)
001226	ENGL 226	English in Health Sciences Context	3(3-0-6)
<b>1.2 Humanities and Social Sciences</b>			<b>a minimum of 10 Credits</b>
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(2-3-0)
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)
703131	MGMT 131	Personal Leadership Development	1(1-0-2)
<b>1.3 Science and Mathematics</b>			<b>a minimum of 6 Credits</b>
		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)
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(2-3-4)
571111	NGGE 111	Critical Thinking and Creative Thinking	3(2-2-5)
571113	NGGE 113	Maintaining the Equilibrium in Adolescent Life	3(3-0-6)
651100	VM 100	Dog Care	2(1-2-3)
651101	VM 101	Cat Care	2(1-2-3)
651102	VM 102	Horse and Management	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)
651106	VM 106	Food Sanitary from Food Animal for Consumer	2(1-2-3)

#### 1.4 Activities Base Course

**2 Credits**

651107	VM 107	Learning Through Activities	2(1-3-0)
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## 2. Field of Specialization

a minimum of

**208 Credits**

### 2.1 Core Courses

**15 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(0-3-0)
207125	PHYS 125	Physics for Veterinary Students	1(1-0-2)
207195	PHYS 195	Physics Laboratory for Veterinary Students	1(0-3-0)
356202	ANS 202	Principles of Feed and Animal Nutrition	3(3-0-6)
356212	ANS 212	Animal Production	3(3-0-6)
651120	VM 120	Principles of Veterinary Genetics	2(2-0-4)
651231	VM 231	Principle of Aquatic Animal Production	2(2-0-4)

### 2.2 Major

a minimum of

**193 Credits**

#### 1) Required Courses

**184 Credits**

303210	BCHM 210	General Biochemistry	3(2-2-5)
303262	BCHM 262	Veterinary Clinical Biochemistry	2(2-0-4)
324321	RADI 321	Radiology for Veterinary Students	2(1-3-2)
356261	ANS 261	Statistical Method and Inference in Animal Husbandry	3(3-0-6)
651109	VM 109	Veterinary Embryology	2(2-0-4)
651210	VM 210	Principles of Veterinary Biosciences	4(3-3-7)
651211	VM 211	Body Structure and Function 1	4(3-3-7)
651212	VM 212	Body Structure and Function 2	4(3-3-7)

651232	VM 232	Basic Horse Riding and Horse Care	2(1-3-3)
651234	VM 234	Animal Behaviors, Restraints and Welfare	3(2-2-5)
651293	VM 293	Veterinary Integrative Problem Solving 1	2(2-0-4)
651311	VM 311	Body Structure and Function 3	4(3-3-7)
651312	VM 312	Body Structure and Function 4	4(3-3-7)
651313	VM 313	Veterinary General Pathology	3(2-3-5)
651314	VM 314	Veterinary Immunology	3(2-3-5)
651315	VM 315	Veterinary Microbiology	5(4-3-9)
651316	VM 316	Veterinary Parasitology	5(4-3-9)
651317	VM 317	Veterinary Pharmacology 1	3(3-0-6)
651318	VM 318	Veterinary Toxicology	2(2-0-4)
651390	VM 390	Veterinary Field Practice 1	1(0-6-3)
651393	VM 393	Veterinary Integrative Problem Solving 2	2(2-0-4)
651394	VM 394	Veterinary Integrative Problem Solving 3	2(2-0-4)
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)
651430	VM 430	Principles of Theriogenology	2(2-0-4)
651433	VM 433	Laboratory Animal Science	3(2-2-5)
651434	VM 434	Veterinary Systemic Pathology	5(3-6-9)
651435	VM 435	Veterinary Clinical Pathology	4(3-3-7)
651436	VM 436	Principles of Veterinary Medicine	2(1-2-3)
651437	VM 437	Principles of Veterinary Surgery and Anesthesiology	3(2-3-5)
651438	VM 438	Practice of Surgery and Obstetrics in Livestock	1(0-3-1)
651439	VM 439	Diseases of Small Animals 1	3(3-0-6)
651440	VM 440	Diagnostic Techniques and Imaging in Small Animals	2(1-2-3)
651442	VM 442	Veterinary Pharmacology 2	2(2-0-4)
651444	VM 444	Diseases of Horses	3(3-0-6)
651491	VM 491	Veterinary Field Practice 2	1(0-6-3)
651521	VM 521	Wild and Exotic Animals Medicine	3(3-0-6)
651522	VM 522	Diseases of Small Animals 2	2(2-0-4)

651523	VM 523	Diseases of Small Animals 3	2(2-0-4)
651524	VM 524	Small Animal Surgery and Anesthesiology	3(2-3-5)
651525	VM 525	Diseases of Aquatic Animals	3(3-0-6)
651526	VM 526	Diseases of Poultry	3(3-0-6)
651527	VM 527	Diseases of Swine	3(3-0-6)
651529	VM 529	Diseases of Ruminants	4(4-0-8)
651551	VM 551	Flock Health Management and Production Medicine in Poultry	2(2-0-4)
651552	VM 552	Herd Health Management and Production Medicine in Swine	3(3-0-6)
651553	VM 553	Herd Health Management and Production Medicine in Ruminants	2(2-0-4)
651561	VM 561	Small Animal Clinical Skill Practice	3(0-9-4)
651562	VM 562	Veterinary Public Health Skill Practice	1(0-3-1)
651563	VM 563	Elephant and Wildlife Clinical Skill Practice	1(0-3-1)
651564	VM 564	Equine Clinical Skill Practice	1(0-3-1)
651565	VM 565	Avian Clinical Skill Practice	1(0-3-1)
651566	VM 566	Swine Clinical Skill Practice	1(0-3-1)
651567	VM 567	Ruminant Clinical Skill Practice	1(0-3-1)
651568	VM 568	Aquatic Animal Clinical Skill Practice	1(0-3-1)
651620	VM 620	Veterinary Perspectives	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	Clinical Clerkship in Dogs and Cats	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	Poultry Practice – Clerkship	3(0-9-4)
651670	VM 670	Veterinary Professional Experience	4(0-12-6)
651697	VM 697	Research in Veterinary Medicine	3(0-18-9)

## 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	Diagnostic Imaging, Anesthesiology and Surgery in Small Animal Practice – Clerkship	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 Canine and Feline Diagnostic Imaging and Anesthesiology – 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)
651660	VM 660	Problems in Ruminant Theriogenology – Clerkship	3(0–9–4)
651661	VM 661	Problems in Canine and Feline Surgery – 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)

### 3. Free Electives

a minimum of

6 Credits