



**Doctor of Veterinary Medicine Program
(International Program)
(Revised Curriculum B.E. 2567 / A.D. 2024)**

**Akhraratchakumari Veterinary College
Walailak University**

Program Specification
Doctor of Veterinary Medicine Program (International Program)
(Revised Curriculum B.E. 2567 / 2024)

Name of Institution Walailak University
School/College Akkhraratchakumari Veterinary College

General Information

1. Program Code & Program Name

Program Code : 25610234000848
Program Name (English) : Doctor of Veterinary Medicine Program (International Program)

2. Degree Title and Field of Study

English Name (Full) : Doctor of Veterinary Medicine
English Abbreviation : D.V.M.

3. Program Highlights

- The only international Doctor of Veterinary Medicine program in Thailand, with support for student exchange opportunities for study/observation abroad.
- Produce graduates who have leadership qualities and a spirit of volunteerism.

Philosophy, Objectives, and Learning Outcomes

1. Philosophy

This international veterinary program aims to produce graduates who meet professional standards and can respond to societal needs to support the concept of “One Health.”

2. Objectives

- To produce graduates aligned with the National Higher Education Development Plan, the philosophy of higher education, and the philosophy of Walailak University.
- To align graduates with professional veterinary standards as defined by the Veterinary Council (e.g., Announcement No. 8/2553 and Code of Ethics 2021).
- To enhance internationalization at the university, producing globally competent graduates who contribute to One Health.
- To ensure graduates meet the four learning outcome domains in accordance with the Higher Education Qualifications Framework (2022).

3. Program Learning Outcomes (PLOs)

Graduates must meet national and institutional strategic directions and stakeholder expectations, with a focus on:

Knowledge

PLO1: Explain general science and social science knowledge and veterinary fundamentals according to professional standards.

PLO2: Apply scientific and veterinary knowledge as a foundation for clinical learning.

PLO3: Analyze and assess clinical veterinary knowledge to manage animal health and production, including its impact on humans and the environment.

Skills

PLO4: Communicate effectively in English (at CEFR level C1 or equivalent).

PLO5: Perform basic veterinary procedures and additional skills according to species specialization.

PLO6: Use technology to search, gather, and analyze information for continuous learning.

PLO7: Develop research and/or innovations in veterinary medicine using critical and analytical thinking.

Ethics

PLO8: Be punctual, perform duties with integrity, and adhere to the Code of Ethics of the Veterinary Council.

Character

PLO9: Demonstrate gratitude, discipline, leadership, volunteerism, and strong teamwork skills.

PLO10: Contribute to sustainable development and apply One Health principles.

Curriculum Structure

1. Curriculum and Curriculum Structure

1.1 Total Credits: Not less than 241 credits

1.2 Curriculum Structure

Category	Credits
A. General Education Courses	Not less than 26
B. Specialized Courses	209
1) Basic Science and Mathematics Courses	10
2) Professional Foundation Courses	75
3) Professional Courses	112
3.1) Core Professional Courses	94
3.2) Elective Professional Courses	Not less than 18
4) Professional Experience Courses	12
C. Free Elective Courses	Not less than 6
Total Credits Throughout the Program	Not less than 241

1.3 Course/Subject Group/Module)

(1) General Education Category – Not less than 26 credits

Credits (Lecture – Laboratory – Self-study)

GEN67-011E Fundamental Thai	2(2-0-4)*
GEN67-111E Thai for Presentation	2(2-0-4)
GEN67-112E Thai for Foreigner	2(1-2-3)**
GEN67-021E Fundamental English	2(2-0-4)*
GEN67-121E Integrated English Skills for Upper Beginners	3(2-3-6)
GEN67-122E English Listening and Speaking for Basic Users	3(2-3-6)
GEN67-123E English Reading and Writing for Basic Users	3(2-2-5)
GEN67-124E English for Public Speaking and Presentation for Independent Users	3(2-2-5)
GEN67-131E Thai Civilization and Global Citizen	2(1-2-3)
GEN67-141E Knowledge Inquiry and Fundamental Research	2(2-0-4)
GEN67-142E Environmental Conservation and Global Warming	2(1-2-3)
ECN67-161E Life and Economy in the Digital Era	2(2-0-4)
INF67-171E Information Technology in Digital Era	1(1-0-2)
INF67-173E Use of Spreadsheet Software for Data Analysis	1(0-2-1)

Health and Physical Education Course

Students must choose courses from the following list totaling 2 credits.

CSP67-151E Football	1(0-2-1)
CSP67-152E Futsal	1(0-2-1)
CSP67-153E Basketball	1(0-2-1)
CSP67-154E Volleyball	1(0-2-1)
CSP67-155E Badminton	1(0-2-1)
CSP67-156E Petanque	1(0-2-1)
CSP67-157E Tennis	1(0-2-1)
CSP67-158E Golf	1(0-2-1)

CSP67-159E	Swimming	1(0-2-1)
CSP67-160E	Thai Boxing	1(0-2-1)
CSP67-161E	Table Tennis	1(0-2-1)
CSP67-162E	Athletics	1(0-2-1)
CSP67-163E	Weight Training	1(0-2-1)
CSP67-164E	Yoga for Health	1(0-2-1)
CSP67-165E	Aerobic for Health	1(0-2-1)

* Credits not counted toward the curriculum structure

** Courses offered exclusively for international students and counted toward the curriculum structure

(2) Specialized Courses — Total: 209 Credits

2.1) Basic Science and Mathematics Courses — Total: 10 Credits

CHM67-103E	Basic Chemistry Laboratory	1(0-3-2)
CHM67-104E	Principles of Chemistry	3(3-0-6)
BIO67-105E	General Biology	3(3-0-6)
BIO67-106E	General Biology Laboratory	1(0-3-2)
PHY67-105E	Basic Medical Physics	2(2-0-4)

2.2) Professional Foundation Courses — Total: 75 Credits

VET67-101	The Veterinary Profession	1(1-0-2)
VET67-121	Body Structure and Function I	1(1-0-2)
VET67-202	Animal Production System I	3(3-0-6)
VET67-203	Animal Production System II	3(3-0-6)
VET67-204	Veterinary Genetics	2(2-0-4)
VET67-205	Animal Nutrition	3(2-3-6)
VET67-206	Veterinary General Biochemistry	3(2-3-6)
VET67-211	Basic Practical Skills I	2(0-4-2)
VET67-212	Basic Practical Skills II	2(0-4-2)
VET67-213	Basic Practical Skills III	2(0-4-2)
VET67-222	Body Structure and Function II	6(4-6-11)
VET67-223	Body Structure and Function III	6(4-6-11)
VET67-231	Veterinary General Pathology	3(3-0-6)
VET67-232	Veterinary Microbiology	4(4-0-8)
VET67-233	Veterinary Immunology	2(2-0-4)
VET67-291	Interdisciplinary Integration I	1(0-3-2)
VET67-292	Interdisciplinary Integration II	1(0-3-2)
VET67-307	Veterinary Clinical Biochemistry	2(2-0-4)
VET67-308	Laboratory Animal Care and Management	2(2-0-4)
VET67-314	Basic Practical Skills IV	3(0-6-3)
VET67-315	Basic Practical Skills V	1(0-3-6)
VET67-325	Veterinary General Pharmacology	2(1-3-4)
VET67-326	Veterinary Clinical Pharmacology	4(3-3-8)
VET67-327	Veterinary Toxicology	2(2-0-4)
VET67-334	Veterinary Systemic Pathology	3(3-0-6)
VET67-335	Veterinary Clinical Pathology	2(2-0-4)

VET67-336	Veterinary Parasitology	4(3-3-8)
VET67-337	Animal Reproduction and Obstetrics	3(2-3-6)
VET67-393	Interdisciplinary Integration III	1(0-3-2)
VET67-394	Interdisciplinary Integration IV	1(0-3-2)

2.3) Professional Courses — Total: 112 Credits

2.3.1) Core Professional Courses — 94 Credits

VET67-309	Veterinary Ethics and Jurisprudence	1(1-0-2)
VET67-341	Principal of Veterinary Medicine	1(1-0-2)
VET67-361	Environmental Health and Safety	1(1-0-2)
VET67-362	Zoonoses and Public Health	2(2-0-4)
VET67-363	Food Safety and Inspection	3(3-0-6)
VET67-364	Food and Environmental Safety Laboratory	1(0-3-2)
VET67-395	Clinical Research Methodology and Biostatistics	3(3-0-6)
VET67-465	Veterinary Epidemiology	3(3-0-6)
VET67-442	Small Animal Medicine	4(4-0-8)
VET67-443	Small Animal Medicine Laboratory	1(0-3-2)
VET67-444	Equine Medicine	3(2-3-6)
VET67-445	Ruminant Health and Production Medicine	4(3-3-8)
VET67-446	Swine Health and Production Medicine	4(3-3-8)
VET67-447	Zoological Medicine	3(2-3-6)
VET67-448	Poultry Health and Production Medicine	3(2-3-6)
VET67-449	Aquatic Animal Health and Production Medicine	3(2-3-6)
VET67-451	Veterinary Anesthesiology	3(2-3-6)
VET67-452	Veterinary Diagnostic Imaging	2(1-3-4)
VET67-453	Small Animal Surgery and Orthopedics	4(3-3-8)
VET67-454	Large Animal Surgery	3(2-3-6)
VET67-538	Clinical Practice in Veterinary Diagnostic Medicine	4(0-12-6)
VET67-555	Clinical Practice in Small Animal Diagnostic Imaging, Surgery and Orthopedics	4(0-12-6)
VET67-556	Clinical Practice in Equine Medicine and Surgery	2(0-6-3)
VET67-571	Clinical Practice in Small Animal Medicine I	4(0-12-6)
VET67-572	Clinical Practice in Small Animal Medicine II	4(0-12-6)
VET67-573	Clinical Practice in Ruminant Health and Production Medicine	4(0-12-6)
VET67-574	Clinical Practice in Swine Health and Production Medicine	4(0-12-6)
VET67-575	Clinical Practice in Poultry Health and Production Medicine	2(0-6-3)
VET67-576	Clinical Practice in Aquatic Animal Health and Production Medicine	4(0-12-6)
VET67-577	Clinical Practice in Zoological Medicine	4(0-12-6)
VET67-696	Research and Innovation Project	3(0-9-5)
VET67-697	Veterinary Roles on Sustainable Development Goals	3(0-6-5)

2.3.2) Elective Professional Courses

Students must choose 1 course from the following elective courses.

VET67-611	Professional Practice in Ambulatory Veterinary Unit	18(0-36-18)
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VET67-617	Professional Practice in Aquatic Animal Health and Production Medicine	18(0-36-18)
VET67-618	Professional Practice in Zoological Medicine	18(0-36-18)
VET67-619	Professional Practice in Ruminant Health and Production Medicine	18(0-36-18)
VET67-639	Professional Practice in Veterinary Diagnostic Unit and Pathology	18(0-36-18)
VET67-657	Professional Practice in Small Animal Anesthesia, Diagnostic Imaging, Surgery and Orthopedics	18(0-36-18)
VET67-658	Professional Practice in Equine Medicine, Obstetrics and Surgery	18(0-36-18)
VET67-659	Professional Practice in Small Animal Medicine	18(0-36-18)
VET67-665	Professional Practice in Veterinary Public Health	18(0-36-18)
VET67-686	Professional Practice in Swine Health and Production Medicine	18(0-36-18)
VET67-689	Professional Practice in Poultry Health and Production Medicine	18(0-36-18)

4) Professional Experience Courses — Total: 12 Credits

VET67-698	Veterinary Professional Experience	12(0-36-0)
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(3) Free Elective Courses: 6 Credits

Students may choose to study other courses offered at Walailak University or other higher education institutions both domestically and abroad. Credit transfer is allowed if the courses comply with the Walailak University Regulations on Undergraduate Education, Semester System, B.E. 2566 (2023), and the courses must not be those specified as mandatory without credit. Approval from the academic advisor or the head of the department is required.

3. Doctor of Veterinary Medicine Program (International Program)

Total Credits: 241 credits

Program Duration: 6 academic years

Year 1

Semester 1		Semester 2	
Course code & Course name	CREDIT (Lec – Lab – Self-study)	Course code & Course name	CREDIT (Lec – Lab – Self-study)
GEN67-011E Fundamental Thai	2(2-0-4)*	GEN67-123E English Reading and Writing for Basic Users	3(2-2-5)
GEN67-021E Fundamental English	2(2-0-4)*	GEN67-124E English for Public Speaking and Presentation for Independent Users	3(2-2-5)
GEN67-111E Thai for Presentation /or	2(2-0-4)	GEN67-141E Knowledge Inquiry and Fundamental Research	2(2-0-4)
GEN67-112E Thai for Foreigner	2(1-2-3)**	GEN67-142E Environmental Conservation and Global Warming	2(1-2-3)
GEN67-121E Integrated English Skills for Upper Beginners	3(2-3-6)	ECN67-161E Life and Economy in the Digital Era	2(2-0-4)
GEN67-122E English Listening and Speaking for Basic Users	3(2-3-6)	INF67-171E Information Technology in Digital Era	1(1-0-2)
GEN67-131E Thai Civilization and Global Citizen	2(1-2-3)	INF67-173E Use of Spreadsheet Software for Data Analysis	1(0-2-1)
CSP67-xxxE	1(0-2-1)	CSP67-xxxE	1(0-2-1)
CHM67-103E Basic Chemistry Laboratory	1(0-3-2)	PHY67-105E Basic Medical Physics	2(2-0-4)
CHM67-104E Principles of Chemistry	3(3-0-6)	VET67-121 Body Structure and Function I	1(1-0-2)
BIO67-105E General Biology	3(3-0-6)	XXX-xxx Free Elective Course	x(x-x-x)
BIO67-106E General Biology Laboratory	1(0-3-2)	XXX-xxx Free Elective Course	x(x-x-x)
VET67-101 The Veterinary Profession	1(1-0-2)		
XXX-xxx Free Elective Course	x(x-x-x)		
Total (excluding free elective credits)	20 credits	Total (excluding free elective credits)	18 credits
Total (excluding 6 credits of free electives)			38 credits

Remarks

* Indicates courses that are not counted for credit

** Indicates courses offered for international students and counted toward the curriculum credit structure

Year 2

Semester 1		Semester 2	
Course code & Course name	CREDIT (Lec – Lab – Self-study)	Course code & Course name	CREDIT (Lec – Lab – Self-study)
VET67-206 Veterinary General Biochemistry	3(2-3-6)	VET67-203 Animal Production System II	3(3-0-6)
VET67-202 Animal Production System I	3(3-0-6)	VET67-204 Veterinary Genetics	2(2-0-4)
VET67-211 Basic Practical Skills I	2(0-4-2)	VET67-205 Animal Nutrition	3(2-3-6)
VET67-222 Body Structure and Function II	6(4-6-11)	VET67-212 Basic Practical Skills II	2(0-4-2)
VET67-223 Body Structure and Function III	6(4-6-11)	VET67-213 Basic Practical Skills III	2(0-4-2)
VET67-291 Interdisciplinary Integration I	1(0-3-2)	VET67-231 Veterinary General Pathology	3(3-0-6)
		VET67-232 Veterinary Microbiology	4(4-0-8)
		VET67-233 Veterinary Immunology	2(2-0-4)
		VET67-292 Interdisciplinary Integration II	1(0-3-2)
Total	21 credits	Total	22 credits
Total		43 credits	

Year 3

Semester 1		Semester 2	
Course code & Course name	CREDIT (Lec – Lab – Self-study)	Course code & Course name	CREDIT (Lec – Lab – Self-study)
VET67-307 Veterinary Clinical Biochemistry	2(2-0-4)	VET67-315 Basic Practical Skills V	1(0-3-2)
VET67-308 Laboratory Animal Care and Management	2(2-0-4)	VET67-326 Veterinary Clinical Pharmacology	4(3-3-8)
VET67-309 Veterinary Ethics and Jurisprudence	1(1-0-2)	VET67-335 Veterinary Clinical Pathology	2(2-0-4)
VET67-314 Basic Practical Skills IV	3(0-6-3)	VET67-337 Animal Reproduction and Obstetrics	3(2-3-6)
VET67-325 Veterinary General Pharmacology	2(1-3-4)	VET67-341 Principal of Veterinary Medicine	1(1-0-2)
VET67-327 Veterinary Toxicology	2(2-0-4)	VET67-362 Zoonoses and Public Health	2(2-0-4)
VET67-334 Veterinary Systemic Pathology	3(3-0-6)	VET67-363 Food Safety and Inspection	3(3-0-6)
VET67-336 Veterinary Parasitology	4(3-3-8)	VET67-364 Food and Environmental Safety Laboratory	1(0-3-2)
VET67-361 Environmental Health and Safety	1(1-0-2)	VET67-394 Interdisciplinary Integration IV	1(0-3-2)
VET67-393 Interdisciplinary Integration III	1(0-3-2)	VET67-395 Clinical Research Methodology and Biostatistics	3(3-0-6)
Total	21 credits	Total	21 credits
Total		42 credits	

Year 4

Semester 1		Semester 2	
Course code & Course name	CREDIT (Lec – Lab – Self-study)	Course code & Course name	CREDIT (Lec – Lab – Self-study)
VET67-442 Small Animal Medicine	4(4-0-8)	VET67-446 Swine Health and Production Medicine	4(3-3-8)
VET67-443 Small Animal Medicine Laboratory	1(0-3-2)	VET67-447 Zoological Medicine	3(2-3-6)
VET67-444 Equine Medicine	3(2-3-6)	VET67-448 Poultry Health and Production Medicine	3(2-3-6)
VET67-445 Ruminant Health and Production Medicine	4(3-3-8)	VET67-449 Aquatic Animal Health and Production Medicine	3(2-3-6)
VET67-451 Veterinary Anesthesiology	3(2-3-6)	VET67-453 Small Animal Surgery and Orthopedics	4(3-3-8)
VET67-452 Veterinary Diagnostic Imaging	2(1-3-4)	VET67-454 Large Animal Surgery	3(2-3-6)
VET67-465 Veterinary Epidemiology	3(3-0-6)		
Total	20 credits	Total	20 credits
Total			40 credits

Year 5

Course code & Course name	CREDIT (Lec – Lab – Self-study)
VET67-538 Clinical Practice in Veterinary Diagnostic Medicine	4(0-12-6)
VET67-555 Clinical Practice in Small Animal Diagnostic Imaging, Surgery and Orthopedics	4(0-12-6)
VET67-556 Clinical Practice in Equine Medicine and Surgery	2(0-6-3)
VET67-571 Clinical Practice in Small Animal Medicine I	4(0-12-6)
VET67-572 Clinical Practice in Small Animal Medicine II	4(0-12-6)
VET67-573 Clinical Practice in Ruminant Health and Production Medicine	4(0-12-6)
VET67-574 Clinical Practice in Swine Health and Production Medicine	4(0-12-6)
VET67-575 Clinical Practice in Poultry Health and Production Medicine	2(0-6-3)
VET67-576 Clinical Practice in Aquatic Animal Health and Production Medicine	4(0-12-6)
VET67-577 Clinical Practice in Zoological Medicine	4(0-12-6)
Total	36 credits

Remarks: Clinical rotations are conducted continuously throughout the academic year

Year 6

Course code & Course name	CREDIT (Lec – Lab – Self-study)
VET67-696 Research and Innovation Project	3(0-9-5)
VET67-697 Veterinary Roles on Sustainable Development Goals	3(0-6-5)
Students are required to choose and enroll in specialization elective courses totaling not less than 18 credits	
VET67-611 Professional Practice in Ambulatory Veterinary Unit	18(0-36-18)
VET67-617 Professional Practice in Aquatic Animal Health and Production Medicine	18(0-36-18)
VET67-618 Professional Practice in Zoological Medicine	18(0-36-18)
VET67-619 Professional Practice in Ruminant Health and Production Medicine	18(0-36-18)
VET67-639 Professional Practice in Veterinary Diagnostic Unit and Pathology	18(0-36-18)
VET67-657 Professional Practice in Small Animal Anesthesia, Diagnostic Imaging, Surgery and Orthopedics	18(0-36-18)
VET67-658 Professional Practice in Equine Medicine, Obstetrics and Surgery	18(0-36-18)
VET67-659 Professional Practice in Small Animal Medicine	18(0-36-18)
VET67-665 Professional Practice in Veterinary Public Health	18(0-36-18)
VET67-686 Professional Practice in Swine Health and Production Medicine	18(0-36-18)
VET67-689 Professional Practice in Poultry Health and Production Medicine	18(0-36-18)
VET67-698 Veterinary Professional Experience	12(0-36-0)
Total	36 credits