

Admission Number

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Doctor of Philosophy Programme in Veterinary Science (International Programme)

หลักสูตร ปรัชญาดุษฎีบัณฑิต

สาขาวิชา วิทยาศาสตร์ทางการสัตวแพทย์ (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Veterinary Science

คณะสัตวแพทยศาสตร์

There are 4 major concentrations

1. Companion Animal Medicine

Admission Number

6	7	0	1	D	G	0	1
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วิชาเอกเวชศาสตร์สัตว์เลี้ยงเป็นเพื่อน

Expected number of Students to be accepted year round : 2 Students

2. Production Medicine

Admission Number

6	7	0	1	D	G	0	2
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วิชาเอกเวชศาสตร์การผลิต

Expected number of Students to be accepted year round : 1 Student

3. Pathology

Admission Number

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วิชาเอกพยาธิวิทยา

Expected number of Students to be accepted year round : 2 Students

4. Epidemiology

Admission Number

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วิชาเอกวิทยาการระบาด

Expected number of Students to be accepted year round : 2 Students

Admission Requirements

A candidate must:

1. Hold a degree in Doctor of Veterinary Medicine (DVM) from the Kingdom of Thailand or from foreign universities which are certified by the Office of the Higher Education Commission
2. have a grade point average of at least 3.50
3. Minimum 2 year experience in veterinary professional or have been practicing and enhancing clinical skills in systematic processes (internship)
4. Having a level one veterinary license issued by the Veterinary Council of Thailand
5. Submit a certificate of English proficiency with minimum admission score:
 - IELTS - at least 3 or
 - TOEFL INTERNET BASED - at least 32 or
 - TOEFL ITP (test arranged by Faculty of Graduate Study, Mahidol University) - at least 400

Important Notes:

- English proficiency score must be taken within 2 years up to the admission date.
- Application without submitting a valid English certificate will NOT be considered.
- MU English Competence Standards: www.grad.mahidol.ac.th
- MU English proficiency tests, please contact the Language Center, Faculty of Graduate Studies.
Tel. 0-2441-4125 ext. 221-222

6. Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

Written Examination

There is NO written examination for this program. Applicants must check their eligibility for interview upon the announcing date of the interview list which is scheduled for each admission round.

Curriculum Structure

	Credit
Prerequisite Courses	-
Core Courses	8
Required courses	12
Elective courses no less than	6
Dissertation	48

	Credit
Prerequisite Courses	
VSID 801 Scientific English Writing	1(1-0-2)
Core Courses	
VSID 800 Research Methodology	2(2-0-4)
VSCL 803 Doctoral Seminar in Veterinary Science I	1(1-0-2)
VSCL 804 Doctoral Seminar in Veterinary Science II	1(1-0-2)
VSID 805 Veterinary Biostatistics	3(2-3-5)
VSID 806 Animal Welfare in Research	1(1-0-2)

Required courses

1. Companion Animal Medicine

VSCL 810	Small Animal Medicine I	3(3-0-6)
VSCL 811	Small Animal Medicine II	3(3-0-6)
VSCL 812	Advanced Clinical Procedures in Veterinary Medicine	3(1-6-4)
VSCL 813	Clinical Skill in Companion Animal Internal Medicine and Surgery	3(0-9-3)

2. Production Medicine

VSCL	853	Advanced Epidemiology in Clinical Medicine	3(2-3-5)
VSCL	854	Case Study in Production Medicine	1(1-0-2)
VSCL	880	Herd Health and Production Management	3(2-3-5)
VSCL	881	Reproduction and Infertility	2(1-3-3)
VSCL	882	Advanced Animal Nutrition	3(2-3-5)

3. Pathology

VSPA	860	Current Concept in Pathology	2(2-0-4)
VSPA	861	Advanced Systemic Pathology	2(2-0-4)
VSPA	862	Advanced Clinical Pathology	2(2-0-4)
VSPA	863	Veterinary Histology and Cell Biology	3(2-3-5)
VSPA	864	Advanced Pathology of Animals Neoplastic Diseases	2(1-3-3)
VSPA	865	Seminar in Pathology	1(1-0-2)

4. Epidemiology

VSCL	830	Practical Concepts of Veterinary Epidemiology	3(3-0-6)
VSCL	831	Animal Disease Investigation and Surveillance	3(3-0-6)
VSCL	832	Epidemiological Biostatistics	2(1-3-3)
VSCL	832	Epidemiological Biostatistics	2(1-3-3)
VSCL	833	Integration of Social Science and Veterinary Public Health	2(2-0-4)
VSCL	834	Data Manipulation for Veterinary Public Health	2(1-3-3)

Elective courses

1. Companion Animal Medicine

VSCL	814	Clinical Skill in Small Animal Emergency Medicine and Critical Care	2(0-6-2)
VSCL	815	Clinical Skill in Small Animal Anesthesia	2(0-6-2)
VSCL	816	Clinical Skill in Small Animal Soft Tissue Surgery	2(0-6-2)
VSCL	817	Clinical Skill in Small Animal Orthopedics	2(0-6-2)
VSCL	818	Clinical Skill in Small Animal Internal Medicine	2(0-6-2)
VSCL	819	Clinical Skill in Small Animal Neurology	2(0-6-2)
VSCL	820	Clinical Skill in Small Animal Cardiology	2(0-6-2)
VSCL	821	Clinical Skill in Small Animal Ophthalmology	2(0-6-2)
VSCL	822	Clinical Skill in Small Animal Dermatology	2(0-6-2)
VSCL	823	Clinical Skill in Small Animal Theriogenology	2(0-6-2)
VSCL	824	Clinical Skill in Small Animal Diagnostic Imaging	2(0-6-2)
VSCL	825	Clinical Skill in Small Animal Oncology	2(0-6-2)
VSCL	826	Clinical Skill in Small Animal Dentistry	2(0-6-2)
VSCL	840	Equine Sports Medicine	3(3-0-6)
VSCL	841	Equine Orthopedics	3(3-0-6)
VSCL	842	Equine Colic Surgery	3(3-0-6)
VSCL	843	Ultrasonography of the Equine Musculoskeletal Diseases	2(1-3-3)

VSCL	844	Case Study in Equine Medicine	1(1-0-2)
VSCL	845	Equine Back Pain	2(1-3-3)
VSCL	846	Equine Rehabilitation	2(1-3-3)

2. Production Medicine

VSCL	855	Ultrasonography in Dairy Reproduction	2(1-3-3)
VSCL	857	Clinical Immunology in Dairy Cattle	1(1-0-2)
VSCL	858	Reproductive Endocrinology in Dairy Cattle	1(1-0-2)
VSCL	883	Advanced Animal Reproductive Biotechnology	2(1-3-3)
VSCL	884	Comparative Reproductive Immunology and Pathology	2(2-0-4)
VSCL	885	Application of Information Technology in Swine Herd Health Management	2(1-3-3)
VSCL	886	Advanced Swine Business Management	2(2-0-4)
VSCL	887	Advanced Vaccine Technology in Swine	2(2-0-4)
VSCL	888	Swine Origin Zoonotic Diseases	2(2-0-4)
VSCL	889	Aquatic Animal Immunology	2(1-3-3)
VSCL	890	Applied Aquatic Animal Medicine	2(1-3-3)
VSCL	891	Aquatic Animal Nutrition	2(2-0-4)

3. Pathology

VSPA	866	Pathology of Avian Diseases	1(1-0-2)
VSPA	867	Laboratory Animal Pathology	1(1-0-2)
VSPA	868	Aquatic Animal Pathology	1(1-0-2)
VSPA	869	Concepts in Molecular Biology	1(1-0-2)
VSPA	870	Advanced Immunology	1(1-0-2)
VSPA	871	Ultrastructural Pathology	1(1-0-2)
VSPA	872	Pathology of Exotic, Wildlife and Zoo Animals	1(1-0-2)
VSPA	873	Pathology of Livestock and Food Animals	1(1-0-2)
VSPA	874	Pathology of Zoonotic Diseases	1(1-0-2)

4. Epidemiology

VSCL	835	Applied Geographic Information System and Spatial Analysis in Veterinary Science	3(2-3-5)
VSCL	836	Mathematical Modeling in Veterinary Science and Public Health	2(1-3-3)
VSCL	837	Veterinary Epidemiology for Public Policy	2(2-0-4)
VSCL	838	Molecular Epidemiology in Veterinary Science	1(0-3-1)
VSCL	839	Social Network Analysis in Veterinary Science	2(1-2-3)

Dissertation

VSID	799	Dissertation	48(0-192-0)
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*** These may change in cases where there are suggestions for the improvement of the curriculum**

Areas of study that a student may select for concentration:

1. Companion Animal Medicine
2. Production Medicine
3. Pathology

Additional advantages of the programme

Required the doctor of Veterinary Medicine degree to apply for the doctoral of Philosophy program and focusing on creating the specializations in veterinarian profession. Graduates from philosophy program are this competent to pursue their careers as the professional veterinarians.

Required Documents

Applicants must upload all documents via online admission system. All documents must be in PDF format (maximum size 2 MB). Photograph must be in JPEG format

- Recent photographs (1x1 inch in size)
- A copy of an applicant's degree certificate or a letter of graduation certification (for an applicant with a degree completion)
- A letter certifying that an applicant is currently in the final year prior to graduation (for an applicant seeking for a degree)
- A detailed transcript of a degree (for an applicant with a degree completion)
- A grade report with course names and grades received from the first to the current semester prior to graduation
- A copy of identification card
- A copy of house registration certification
- A copy of a medical license
- A copy of a work experience certifying letter
- A copy of Certificate of English proficiency : IELTS / TOEFL INTERNET BASED / TOEFL ITP
- A copy of proof of payment.

Job option after graduation

1. Veterinary specialists
2. Professionals and researchers in Veterinary Science
3. Consultant of veterinary science related organizations

Further information may be obtained from the Director of Graduate Studies,

Veterinary Science:

Companion Animal Medicine

1. **Assoc.Prof. Dr..Sukanya Manee-In** (E-mail : sukanya.man@mahidol.ac.th)
Animal hospital Building, Floor 2nd ,
Department Clinical Medicine and Public Health, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 2202 Fax : 02-441-0773
2. **Dr..Duangtip Chatchaisak** (E-mail : duangtip.cha@mahidol.ac.th)
Animal hospital Building, Floor 2nd ,
Department Clinical Medicine and Public Health, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 2227 Fax : 02-441-0773

Program Coordinator

1. **Miss Panwad Preeyanont** (E-mail : panwad.pre@mahidol.ac.th)
Academic Affairs Unit Room, Learning Building , Floor 4th ,
Department Office of the dean, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1429 Fax : 02-441-0773

Production Medicine

1. **Asst.Prof.Sudsaijai Kornmatitsuk** (E-mail : sudsaijai.kor@mahidol.ac.th)
Learning and Laboratory Building, Floor 5th ,
Department Clinical Medicine and Public Health, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1531 Fax : 02-441-0773
2. **Asst.Prof.Wanna Sirimanapong** (E-mail : wanna.sir@mahidol.ac.th)
Learning and Laboratory Building, Floor 5th ,
Department Clinical Medicine and Public Health, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1520 Fax : 02-441-0773

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Academic Affairs Unit Room, Learning Building , Floor 4th ,
Department Office of the dean, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1429 Fax : 02-441-0773

Pathology

1. **Dr.Panop Wilainam** (E-mail : panop.wil@mahidol.ac.th)
Learning and Laboratory Building, Floor 5th ,
Department Pre-Clinic and Animal Science, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1532 Fax : 02-441-0773
2. **Dr.Parin Suwannaprapha** (E-mail : parin.suw@mahidol.ac.th)
Learning and Laboratory Building, Floor 5th ,
Department Pre-Clinic and Animal Science, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1520 Fax : 02-441-0773

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Department Office of the dean, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1429 Fax : 02-441-0773

Epidemiology

1. **Asst.Prof.Walasinee Moonarmart** (E-mail : walasinee.moo@mahidol.ac.th)
Learning and Laboratory Building, Floor 5th ,
Department Clinical Medicine and Public Health, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1531 Fax : 02-441-0773
3. **Dr. Sarin Suwanpakdee** (E-mail : sarin.suw@mahidol.ac.th)
Learning and Laboratory Building, Floor 5th ,
Department Clinical Medicine and Public Health, Faculty of Veterinary Science
Tel : 02-441-5242-4 Ext. 1520 Fax : 02-441-0773

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Notes 1. The programme of Veterinary Science (International Programme) requires students to study the pre - requisite course:

- VSID 801 Scientific English Writing 1 Credit

2. For more education information : <http://www.grad.mahidol.ac.th>

For more information please contact The Student Admission Section.
Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : gradthai@mahidol.ac.th