

Program specification : Doctor of Veterinary Medicine Program

Bachelor Degree Program	
1. Curriculum name: Doctor of Veterinary Medicine Program	
2. Degree name: Doctor of Veterinary Medicine (D.V.M.)	
Overview of the program	
Program type	professional undergraduate program
Total credits	244 credits
Study duration	6 years
Program status and teaching schedule	- modified curriculum - Semester 1 of the academic year 2020
Awarding degree	One degree
Awarding institution	Faculty of Veterinary Science, Mahidol University
Accreditation organization	Veterinary Council of Thailand
Program specification	
Objectives of the program	The program aims to; 1 Apply knowledge in veterinary sciences for animal health services and academic explanation according to the standard criteria for veterinary professional 2 Perform basic requirement of veterinary procedures according to standard criteria for veterinary professional 3 Plan for processes of food animal production with international standard 4 Manage for the animal health that could impact to human and environment 5 Produce veterinary research (group researcher) with the Code of Ethics for researchers 6 Utilise information technology to search for information, analyze and empower problem-solving for self-improvement

	7 Work and communicate with effective and suitable approaches to colleagues, animal owners, and the public to conduct to competent animal health management 8 Work and behave based on professional morals and ethics
Distinctive features	1. Using the Problem-Oriented Approach (POA) for the teaching and learning 2. Students have the opportunities to learn and take clinical practice during their studies in the program. In the final-year (6th year), students will have the opportunity to practice all clinical skills. 3. Students have the opportunity to develop their research skills through research projects and presentations before graduation.
Education system	Semester system – one academic year with 2 semesters – and credit system assignment in accordance to the Ministry of Education’s announcement regarding the Standard for Undergraduate Program, B.E. 2558 (2015).
Graduate Pathway	
Career opportunities	1. Veterinarian animal hospital, provide clinical care and management for animal health, animal disease and epidemic control 2. Veterinarian in governmental sectors such as Department of Livestock Development, Department of National Parks, Wildlife and Plant Conservation, and Department of Medical Sciences 3. Veterinarian in industrial sectors such as animal husbandry industry and animals’ food and medicine industry

	4. Veterinarian in academia and research field
Continuing study	1. Continue to study as a veterinary specialist (certificate to demonstrate knowledge and expertise in veterinary practice) at domestic and international institutions 2. Continue to study at the graduate level in veterinary science or other related fields
Education Philosophy for curriculum management	
Education philosophy	The program aims at the learners as the learning-centered, and the learners' outcomes (Outcome Based Education) so that the learners can construct their knowledge through thinking skills, analysis and synthesis through various activities, and integration of new information with their pre-existing knowledge (constructivism).
Teaching and learning strategies	According to the above education philosophy and to achieve the program's goals and objectives, various teaching and learning approaches are applied as appropriate to encourage the learners to participate by expressing their opinions and team working. Examples of the teaching and learning methods are the Problem-Oriented Approach (POA), Problem Based Learning (PBL), Clinical Problem Solving and Integration, Work Place-Based Learning, Blended Learning, Experiential Learning, and Student-LED Classroom. These methods will encourage and foster the students with life-long learning skills.
Strategies for students' learning outcomes assessments	There are assessments for the student's learning outcome with the method that aligns and is appropriate with the program's teaching and learning

	strategies for measuring educational achievement. The assessment will cover the evaluation of knowledge, understanding, clinical practice skills, and skills for veterinary procedures measuring with the methods that align with the expected learning outcomes both during the teaching and learning process and at the end of the program (Formative and Summative Assessment), such as written examination in various formats, practical examination, presentation, animal case report, and the Objective Structured Clinical Examination (OSCE).
Program's graduate competency	
Generic Competences	Competences of Mahidol University's DVM graduates: 1. Possess the ability for critical thinking, systematic analysis, and creativity which could be applied for problem solving. 2. Demonstrate proper communication skills 3. Use information technology to aid and improve their work 4. Demonstrate with the leaderships, interpersonal skills, and the ability to work as a team 5. Possess the ability to search for academic information and conduct life-long learning
Subject-specific Competences	For the competences, Mahidol University's DVM graduates should: 1. demonstrate the clinical knowledge and skills, and perform veterinary procedure according to the standard criteria for veterinary professional 2. Apply knowledge in veterinary, medical and other sciences for animal health management according to

	the standard criteria for veterinary professional 3. Manage for health of an individual animal and herd health by the implementation of evidence-based practice, safety, cost-effectiveness, and relevant laws along with moral, ethics, and veterinary professional ethics 4. Process to ask research questions, research study, data analysis and assessment of the research results for animal health management with veterinary professional ethics
Program Learning Outcomes	
PLOs	At the end of the program, graduates should be able to: PLO 1 Apply knowledge in veterinary sciences for animal health services and academic explanation according to the standard criteria for veterinary professional PLO2 Perform basic requirement of veterinary procedures according to standard criteria for veterinary professional PLO 3 Plan for processes of food animal production with international standard PLO 4 Manage for the animal health that could impact to human and environment PLO 5 Produce veterinary research (group researcher) with the Code of Ethics for researchers PLO 6 Utilise information technology to search for information, analyze and empower problem-solving for self-improvement

	PLO 7 Work and communicate with effective and suitable approaches to colleagues, animal owners, and the public to conduct to competent animal health management PLO 8 Work and behave based on professional morals and ethics
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