

Course Detail

Master of Science (Veterinary Public Health)

Course Title:	Master of Science (Veterinary Public Health)
Master Degree:	M.S. (Veterinary Public Health)
Academic Institution:	Veterinary Public Health Centre for Asia Pacific (VPHCAP), Faculty of Veterinary Medicine, Chiang Mai University
Duration:	2 years (June 2020 – May 2022)

Background and Rational

Master of Science Program in Veterinary Public Health M.S. (Veterinary Public Health), an International Program that is revised from the Master of Veterinary Public Health Program (MVPH) which was a joint program between two Faculties of Veterinary Medicine (Chiang Mai University, Thailand and Freie Universitaet Berlin, Germany). The joint master program had already produced 7 batches of students (academic year 2003 – 2018). The course was established according to Chiang Mai University policy to produce an academic excellence and global citizens. Veterinary Public Health plays an important role on security and safety of food from animal origin in national and international level including animal disease control, transboundary animal diseases and zoonotic diseases which animal-human interface as well as control of food borne diseases, antimicrobial resistant pathogens and hazardous residues along the food production chain. Those veterinary public health tasks are adopted as the learning contents of the course, which promote the national and international strategic plan in sustainable agriculture and food security, the administrative direction of research consequently supported the policy of university and the country in several ways including community academic service, strengthen community sustainable agriculture under Sufficiency Economy Philosophy, promoting arts, culture and religion, local natural resources and environmental conservation. The course provides the students to integrate the knowledge from both lectures and practices according to student centered learning in 21th century education. The course also provides the area to exchange academic knowledge and experience between Thai students and international students to allow knowledge transformation in the different country contexts. The network of international alumni from different countries will later on building up the network of food security and food safety in the Asia Pacific region. Moreover, this is the development of current and future workforce in ASEAN community.

Veterinary Public Health Centre for Asia Pacific (VPHCAP), Faculty of Veterinary Medicine, Chiang Mai University, Thailand has established in 2003 as a regional center for graduate education, research and academic services in veterinary public health which emphasized on security and safety of food from animal origin, zoonotic disease control, as well as transboundary diseases in order to strengthen international trade of animals and animal origin products from Southeast Asia and the Greater Mekong Sub-region under WTO-SPS's Agreement. The mission of the centre is to operate the international master degree curriculum for students from Asia Pacific especially Southeast Asia and South Asia region. The course provides students the intellectual knowledge and practice under supervision of university professors and experts from national and international partners such as Freie Universitat Berlin, Germany, Obihiro University of Agriculture and Veterinary Medicine,

Japan, University of Minnesota, USA. The senior experts from international organization such as Food Agriculture Organization of United Nation (FAO), International Livestock Research Institute (ILRI) also are invited for co-teaching. Moreover, the objective of VPHCAP is to build capacity in academic services through training courses and scientific international conferences every year. In 2016, the World Organization for Animal Health (OIE) has designated the VPHCAP as an OIE Collaborating Centre for Veterinary Services Capacity Building under collaboration with Thailand's Department of Livestock Development (DLD). The OIE Collaborating Centre for Veterinary Services Capacity Building aims to be a center for developing and increasing the capacity of Veterinarians who work relates to food safety of animal origin, control of animal disease and zoonotic disease in the Asia Pacific region.

Objectives

The program is intended to produce high-quality graduates who are able to:

1. Apply epidemiological approach to safety of food of animal-origin.
2. Analyze and assess the risk of epidemic, zoonotic diseases, infectious diseases and understand the import goods condition and food hygiene.
3. Having communication and interpersonal relations intellectual skill to control zoonotic diseases according to international practice.
4. Apply the rules and international regulations of Veterinary Public Health with ethics and integrity, and capable to adjust with the dynamic world.
5. Use Veterinary Public Health discipline to resolve regional problems.

Course Synopsis and Methodology

Master of Science (Veterinary Public Health) international program aims to produce graduates from Asia countries to have all-round competency in Veterinary Public Health and create the network to control, prevent and resolve diseases caused by epidemic diseases, zoonoses and food hygiene, with an emphasis on quality control and safety of food from animal-origin along the food production including environmental hygiene in region level.

Study Plan

Year 1

Module 1		Credit
VPH701 (652701)	Concepts and Methods of Veterinary Epidemiology	1
VPH702 (652702)	Data Processing and Computing	1
VPH703 (652703)	Introduction to Public Health and Veterinary Public Health	1
VPH704 (652704)	Sanitary and Phytosanitary Requirements	1
VPH705 (652705)	Zoonoses	1
	Elective courses	1
Module 2		Credit
VPH750 (652750)	Risk Analysis	2
VPH751 (652751)	Laboratory Diagnosis	2
VPH752 (652752)	Microbiological Food Safety	2
VPH753 (652753)	Disease Control in Food Chain	1
VPH754 (652754)	Veterinary Public Health Systems Approach	2
VPH755 (652755)	Laboratory Practical	2

	Elective courses	1
Module 3		Credit
VPH706 (652706)	Research Methodology and Scientific Writing	1
VPH707 (652707)	Disease Surveillance and Information Services	2
VPH708 (652708)	Veterinary Public Health Regulatory Tasks	1
VPH709 (652709)	Veterinary Public Health Structure and Legislation	1
	Elective courses	1
Total		24

Year 2

		Credit
VPH799 (652799)	Thesis	12
	- Proposal development	-
	- Thesis defense	-
Total		12
1 st workshop	Study design and field work launch	-
2 nd workshop	Data analysis	-

Course Content/ Study Topic

A .Courses work	a minimum of	24 credits
1.1 Required course		21 credits
VPH701 (652701)	Concepts and Methods of Veterinary Epidemiology	1 credit
VPH702 (652702)	Data Processing and Computing	1 credit
VPH703 (652703)	Introduction to Public Health and Veterinary Public Health	1 credit
VPH704 (652704)	Sanitary and Phytosanitary Requirements	1 credit
VPH705 (652705)	Zoonoses	1 credit
VPH706 (652706)	Research Methodology and Scientific Writing	1 credit
VPH707 (652707)	Disease Surveillance and Information Services	2 credits
VPH708 (652708)	Veterinary Public Health Regulatory Tasks	1 credit
VPH709 (652709)	Veterinary Public Health Structure and Legislation	1 credit
VPH750 (652750)	Risk Analysis	2 credits
VPH751 (652751)	Laboratory Diagnosis	2 credits
VPH752 (652752)	Microbiological Food Safety	2 credits
VPH753 (652753)	Disease Control in Food Chain	1 credit
VPH754 (652754)	Veterinary Public Health Systems Approach	2 credits
VPH755 (652755)	Laboratory Practical	2 credits
1.2 Elective courses	a minimum of	3 credits
VPH710 (652710)	Food Technology	1 credit
VPH711 (652711)	Environmental Health	1 credit
VPH712 (652712)	Special Residue Analysis	2 credits
VPH713 (652713)	Regulations, Rules and Requirements for Importing Food into the European Union	1 credit
VPH714 (652714)	Regional Programmes for Veterinary Public Health	1 credit
VPH756 (652756)	Project Planning and Management	1 credit
VPH757 (652757)	Animal Health Economics	1 credit
1.3 Other courses		
VSC752(653752)	Food Safety from Animal Origin	2 credits

VSC753(653753)	Quality Control and Assurance of Food from Animal Origin	2 credits
VSC754(653754)	Veterinary Molecular Epidemiology	2 credits
VSC755(653755)	Update in Zoonotic Diseases	2 credits

Remark: Student are able to register the courses from either 1.1.2 or 1.2

B. Thesis

VPH799 (652799)	Master's Thesis	12 credits
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Graduation Conditions

At least 1 publication or acceptance to publish in an international journal listed in ISI, Scopus, IEEE, PubMed or Web of Science databases.

Application Qualifications

General qualifications

- Hold a bachelor degree in Veterinary Science or equivalent.
- If applicant holds other bachelor that relates to Food Hygiene, will be considered by administrative committee of Master of Science (Veterinary Public Health) Curriculum.
- Demonstrate official proof of English proficiency
 - TOEFL (500 points for paper based, 173 points for computer based, 61 points for iBT) or IELTS Band 5.5 or the English proficiency examination of the graduate school of Chiang Mai University score of at least 65
- Other qualifications will be considered by administrative committee of Master of Science (Veterinary Public Health)

Specific qualifications

Applicants from the Asia Pacific region.

Document Required

- Two completed application forms
- Two 1 inch, full-face photographs without accessories, less than 6 months old (affixed to the application form).
- A copy of transcript.
- A copy of English test results obtained within last two years, such as TOEFL, IELTS, CMU-eTEGS (must).
- Health Certificate
- Two copies of passport
- Two Letters of recommendation
- A letter of Motivation

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***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/ territories.