

The
International Joint Master Programme
in
Veterinary Public Health (MVPH)
between
Chiang Mai University, Thailand
and
Freie Universität Berlin, Germany

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Postgraduate Studies in
International Animal Health
Faculty of Veterinary Medicine
Freie Universität Berlin/Germany

Veterinary Public Health Centre
for Asia Pacific (VPHCAP)
Faculty of Veterinary Medicine
Chiang Mai University, Chiang Mai/Thailand

What is *Veterinary Public Health?*

*the contribution to the
physical, mental and social well being of humans
through
an understanding and application of veterinary science*

whereby the programme focus is on

safety of food of animal origin

FACULTY OF
VETERINARY MEDICINE

CHIANGMAI UNIVERSITY
CHIANGMAI THAILAND



Since 2003 together
with the Chiang Mai
University in
Thailand

**Joint Master in
Veterinary Public
Health (MVPH)**

for participants from
South (-East) Asia

Faculty Panel Veterinary Public Health of the Faculty of Veterinary Medicine of FU Berlin

- Institute for Food Hygiene
- Institute for Meat Hygiene and Technology

Other institutes and persons at the faculty FU Berlin

- Institute for Poultry Diseases
- Institute for Biometry and Statistics

Federal Institute for Risk Assessment (BfR)



University of Veterinary Medicine, Vienna, AUSTRIA

- Institute of Meat Hygiene, Meat Technology and Food Science

SIFIN - Institut für Immunpräparate und Nährmedien GmbH Berlin

LDL - Labor Diagnostik Leipzig

Unique features of the Joint MVPH programme

- Joint Degree ("Dual Award") Programme
- „Sandwich“ model addressing the particular training needs of veterinarians from the Southeast Asian Region
- modular curriculum structure with ECTS credit points
- Inclusion of regional teaching and research resources
- Combined classroom and field research
 - Extensive field research in home country
 - "Project" approach to field research
 - time frame
 - logistics
 - funding
- Academic thesis advisors, one per partner university

Implementation structure and venues of the 5th Joint MVPH, 2011 - 2013

5th Joint MVPH Course

Faculties of Veterinary Medicine of Freie Universität Berlin (FUB) and Chiang Mai University (CMU)/
Thailand

Course Programme 2011 - 2013

Year 1

2011

Oct

Nov

Dec

2012

Jan

Feb

Mar

Apr

May

June

July

Aug

Sept

INTRODUCTORY
Modules

ADVANCED Modules

REGION-SPECIFIC
Modules

Project
proposal

CMU Thailand

FUB Germany

UVMV
Vienna

CMU Thailand

CMU Thailand

Year 2

2012

Oct

Nov

Dec

2013

Jan

Feb

Mar

Apr

May

June

July

Aug

Sept

Bridging
module

W/S
No.1

MSc thesis FIELD WORK

W/S
No.2

Drafting
THESIS

Final thesis
draft
Oral defence

CMU Thailand

Home Country

CMU Thailand

FUB Germany

Implementation structure and curriculum modules I

5th Joint MVPH, 2011 - 2013

Faculties of Veterinary Medicine of Fre

Year 1

2011

Oct

Nov

Dec

2012

Jan

INTRODUCTORY
Modules

CMU Thailand

Year 2

2012

Oct

Nov

Dec

2013

Jan

Bridging
module

W/S
No. 1

MSc th

CMU Thailand

Hom

PART A:

- *At partner university CMU:*

Introductory modules

(13 ECTS credit points; 3 mths)

CORE MODULES

- ❖ *Concepts and Methods of Epidemiology*
- ❖ *Data Processing and Computing*
- ❖ *Intro. to Public Health & Veterinary Public Health*
- ❖ *Sanitary and Phytosanitary Requirements*
- ❖ *Zoonoses*

ELECTIVE MODULES

- *Food Technology; Environmental Health*

Implementation structure and curriculum modules II

5th Joint MVPH, 2011 - 2013

5th Joint MVPH Co

Faculties of Veterinary Medicine of Freie Universität Berlin

Thailand

Course Programme 20

Year 1

2011

Oct

Nov

Dec

2012

Jan

Feb

Mar

Apr

INTRODUCTORY
Modules

ADVANCED Modules

CMU Thailand

FUB Germany

Year 2

2012

Oct

Nov

Dec

2013

Jan

Feb

Mar

Apr

Bridging
module

W/S
No.1

MSc thesis FIELD WORK

CMU Thailand

Home Country

■ *At FUB:*

Advanced modules

(30 ECTS credit points; 5 mths)

CORE MODULES

- ❖ *Risk Analysis*
- ❖ *Laboratory Diagnosis*
- ❖ *Microbiological Food Safety*
- ❖ *Food Chain Approach*
- ❖ *Veterinary Public Health Systems Approach*
- ❖ *Laboratory practical*

ELECTIVE MODULES

- *Project Planning & Management; Animal Health Economics*

In Germany

In Class;
group meeting,
laboratory practices



Group Work



**Laboratory
Practice**

Extra mural;
Manufacture Visit /
excursions, trips /
social gathering

Enjoy
snow
trip



5th Joint MVPH Course

Faculties of Veterinary Medicine of Freie Universität Berlin (FUB) and Chiang Mai University (CMU)/ Thailand

Course Programme 2011 - 2013

Year 1

2011	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012	2012
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	
INTRODUCTORY Modules			ADVANCED Modules					REGION-SPECIFIC Modules		Project proposal		
CMU Thailand			FUB Germany				UVMV Vienna	CMU Thailand		CMU Thailand		

Year 2

■ *At partner university CMU*

Region-specific modules (17 ECTS credit pts, 3 mths)

CORE MODULES

- ❖ *Research Methodology and Scientific Writing*
- ❖ *Disease Surveillance and Information Services*
- ❖ *Veterinary Public Health Regulatory Tasks*
- ❖ *Veterinary Public Health Structure and Legislation*

ELECTIVE MODULES

- *Regulations, Rules & Requirements for Importing Food into EU; Regional Programmes for Veterinary Public Health*



In Thailand

Freie Universität  Berlin

In Class; group meeting, evaluation
questionnaire / laboratory practices



Group Meeting

Excursions



Manufacturer Visit



Lab Practice

Extra mural;
Manufacturer visit/excursions,
trips/ social gathering



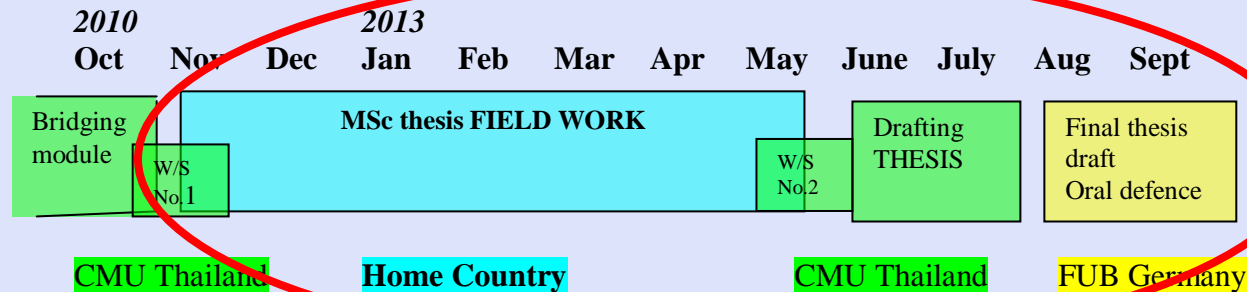
PART B

Master thesis (Total: 13 mths) in Southeast Asian region

- *Project Work (Bridging Module) (10 credit pts)*
- *Study Design Workshop (10 credit pts)*
- *Data Analysis Workshop (10 credit pts)*

- **Master Thesis and**
- **Oral Defense (30 credit points)**

Year 2



Investigation about Salmonella along pork production chain - „from the stable to the table” - in Thailand



On the farm



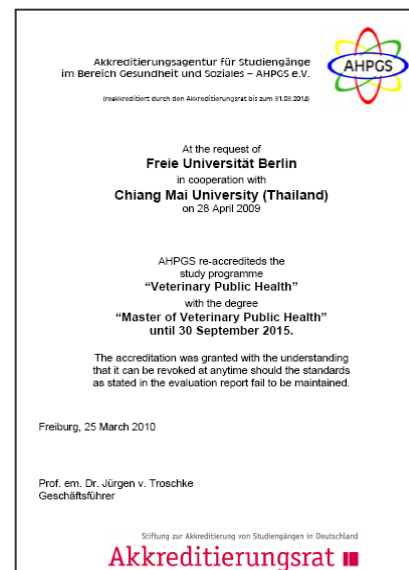


and in the lab



MVPH programme completed 4 editions since 2003

- now jointly implementing the 5th edition as from the academic year 2011-2012
- achieved accreditation in 2005 and reaccreditation in 2010 by AHPGS
- 6th course for academic year 2013-2014 announced and now open for application
- Total number of alumni is 45 person from 13 countries





Total number of alumni : 45 person from 13 countries

Country	Number of Alumni
Thailand	16
Vietnam	7
Laos	2
Cambodia	2
Myanmar	4
Malaysia	1
Indonesia	1

Country	Number of Alumni
Nepal	5
China	1
Bhutan	2
Sri Lanka	2
India	1
Pakistan	1
Total	45

- Of which 40% obtained scholarships for Ph.D. studies in USA, Europe and Japan e.g. Obihiro University/ Japan, Freie Universität Berlin/ Germany, Michigan State University/ USA
- All alumni were promoted and a good number is now in high ranking positions in government organization

- Seed-Workshop:
The concept “One health- One medicine”:
Chances and challenges for Veterinary Public Health (VPH) in Asia
- One week at partner university Chiang Mai University / Thailand
- Financed by German Academic Exchange Service (DAAD)
- Almost 40 participants
- Establishment of the „Veterinary Public Health Association for Asia Pacific“ on Facebook and registered in Nepal in 2012

- Regional and international network collaboration established
- Capacities built in
 - human resource
 - research capacity
 - knowledge sharing platform
- Further research collaboration beyond master course
- Increased knowledge and experience exchange
- Spill-over effects of data and biological samples for new knowledge generation and technology development
- Much needed response to the globalisation of trade
- Strengthening the economic trade in and among regional countries and ASEAN



Future collaborative issues

Alumni network inputs into research activities

- develop proposals together
- support and implement pilot programs
- execute regular international alumni and student symposia

VPHCAP (<http://vphcap.vet.cmu.ac.th/>) to become a

- Regional Centre of Excellence of CMU & FUB in
 - Risk Assessment
 - Food safety
 - Antimicrobial resistance
- Training Centre for Food Safety along the animal food value chain
 - small holders as producers
 - small & medium enterprises as processors and distributors



**Thank you very much
for your attention**

