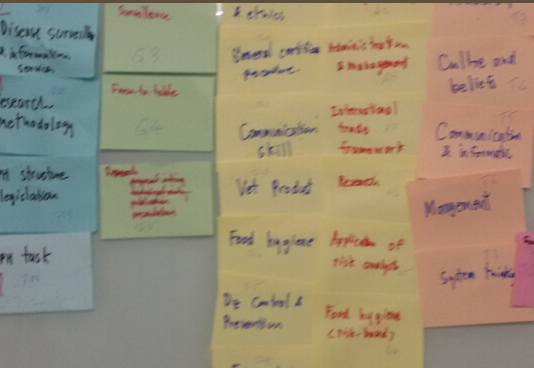




CMU-UMN 2013-2016 VETERINARY EDUCATIONAL TWINNING PROJECT



CHIANG MAI UNIVERSITY
UNIVERSITY OF MINNESOTA



CURRICULUM MAPPING

- Both UMN and CMU curricula were mapped to determine:
 - where the OIE core competencies were being taught
 - how much time is devoted to each topic
 - what teaching methods are employed
 - the depth of coverage related to OIE detailed competencies
 - What is missing or covered only lightly (gap analysis)

FACULTY DEVELOPMENT

- Teaching workshops
 - Teaching methods
 - Modules based on gap analysis
 - Evaluation
- Exchanges
 - Swine and animal welfare
 - Teaching methods
 - Veterinary public health and food safety
 - American and Thai culture

BILATERAL STUDENT EXCHANGES

- 2 Groups of students, resident, professor from CMU and UMN were participated in
 - Veterinary public health rotation/ clerkship
 - Farm-to-table course
 - Foodborne disease surveillance course
 - American/ culture cultural experience
 - Teaching and learning styles were observed.
- Students provided feedback .

In the summer of 2013, University of Minnesota and Chiang Mai University became the first OIE Veterinary Education Twinning Program partnership.





Assuring high quality National Veterinary Services through the alignment of veterinary educational curriculum with OIE guidelines on core curriculum and OIE recommendations on competencies of graduating veterinarians is the overarching objective of this OIE sponsored Twinning Project.

While 'seeing is believing', one of the best ways to learn new teaching approaches is to teach them yourself.

The CMU-UMN approach to faculty exchanges has changed over the past 3 years to involve more and more 'apprentice' and co-teaching opportunities.

The apprentice participates in the course and practices new teaching approaches under the mentorship of another faculty members. The next step is co-teaching where CMU and UMN faculty work together in the entire course design and delivery.

The first 6 months of 2016 has included both apprentice and co-teaching opportunities for multiple faculty members in a wide variety of courses from food policy to risk analysis and leadership.

"APPRENTICE" a new teaching staff title?



GLOBAL HEALTH INSTITUTE - THAILAND

The 2016 Global Health Institute – Thailand (GHIT) was held at Chiang Mai University and offered One Health leadership training and specialized short courses on key skills like risk analysis and participatory epidemiology. The two weeks GHIT also included a research conference for sharing of the latest scientific knowledge on timely topics like emerging diseases, antimicrobial resistance, and food safety.



UNEXPECTED BENEFITS OF ANIMATED INFOGRAPHICS

Cartoons in the classroom? Some faculty were skeptical when the CMU College of Art, Media and Technology (CAMT) offered to help design some short animated infographics to illustrate the OIE Day 1 competencies.

Thankfully Rutch Khattiya at the CMU Veterinary Faculty took the risk and jumped at the opportunity. The IT specialists and animators at CAMT know nothing about veterinary medicine, so Rutch created a storyboard describing potential animations for each part of the competency description.

Adding English narration and Thai subtitles and these animated infographics came to life.

Watch the short videos:

- **Animal welfare**
<https://youtu.be/gTk9WUfYoJo>
- **Introduction to Risk analysis**
<https://youtu.be/sciaPf7AfgE>
- **Emerging and Re-emerging disease**
<https://youtu.be/MX7DLCIDGfI>
- **Epidemiology**
<https://youtu.be/508nh6Qurgw>
- **Communication**
<https://youtu.be/U6KOrR0aLmg>
- **Zoonosis**
<https://www.youtube.com/watch?v=YbML4gQXMOM>
- **International trade framework**
<https://www.youtube.com/watch?v=MKqJFTUcLHs>

Seeing is believing!

Joining a course as a student provides teachers with an entirely different perspective on both the content and pedagogy. "I gained more understanding of the importance of international organizations like OIE and WHO. I knew they set up guidelines but did not understand why" commented Rutch Khattiya from the aquaculture clinic at CMU after participating in the Focus on Food Policy week-long program at UMN in January 2016.

Active learning approaches used in the UMN Summer Public Health Institute will soon find new uses at CMU. Warangkhan Chaisowwong from the CMU Veterinary Public Health Centre for Asia Pacific was excited by the course "Food Safety and Food Defense in the context of Global Food Security". "I will apply the knowledge in my work and transfer to my students and my colleagues" she said after the student teams completed executive briefings on different foods in conjunction with the course.

Please enjoy our feedback video: <https://youtu.be/aCMnpQ5C9aA>