

Objective 4: Faculty/Staff Development and Improved Academic Offerings

DEVELOPMENT OF A ONE HEALTH ONLINE COURSE FOR ACADEMIC STAFF AND UNIVERSITY STUDENTS

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Avian and swine influenza, dengue fever, food-borne infections, leptospirosis, rabies, seasonal smog, *Streptococcus suis*, and zika virus are only a few of the diseases and complex problems, which continue to affect people of Thailand. Effective surveillance and early detection of the diseases are known strategies to control their spread and to prevent them from reaching outbreak levels. However, these diseases and environmental health problems are multi-factorial and conventional strategies eventually prove ineffective. One Health is an accepted strategy centered on active multidisciplinary collaborations and communications in all aspects of health care, encompassing human, animal, and the environmental.

As good as One Health is, this strategy is still novel to many academics in the health sciences. Thus there is a vital need to promote and advocate One Health in academia. Hence, a "One Health Online Course" was designed to fit the needs and available time for target academic staff and university students. This format would allow optimal delivery of key messages of One Health to those in various disciplines. Twenty academic staff and experts in IT and online course development from the Faculties of Associated Medical Sciences, Education, Humanities, Medicine, Nursing, Pharmacy, and Veterinary Medicine in Chiang Mai University were recruited to develop and provide essential content, teaching materials and strategies for the online course in a two-day workshop.

The objectives of the workshop were to (1) survey the basic knowledge on One Health and needs of academic staff and university students to understand One Health through an online course, (2) create an outline and contents of the One Health Online Course for academic staff and university students, (3) produce teaching materials and teaching strategies to be used in the online course, which include course content, handouts, presentations, homework exercises, and other relevant materials, and (4)

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evaluate the materials used or developed for fulfillment of the goals of the One Health Online Course.

This workshop allowed the sharing of expertise in active learning process from various disciplines to develop outline and contents of the One Health Online Course using group discussion among experts from different disciplines, which was highly appreciated by all participants. Participants agreed a network should be established to allow continuing communication and exchange of ideas in furthering the development and improvement of the One Health Online Course.