

Course Outline
Online International training course
via Zoom Meeting

1. Course Title: Tropical Medicine, Community Health Care and Research

2. Duration: A 3-week course

3. Background and Rationale:

Thailand has achieved certain health targets in terms of developing health care infrastructures, strengthening human resources for health, providing universal access to healthcare services, initiating a number of health promotion programs, creating essential health and medical knowledge and ultimately, improving health status of Thai people. These achievements can be shared among international communities.

The Faculty of Medicine, Khon Kaen University have been actively involved in Thailand health development via research, teaching, consulting and publishing knowledge in the field of community health development for many years. We are ready to share our own expertise with others. The short course training is developed to facilitate learning among international participants on tropical medicine and community health with community involvement, involving a new approach for health leaders on a basis of sufficiency economy theory. They will learn from our Faculty as well as among their peers.

The training will also provide opportunities for the participants and Thais to create a strong network of collaboration in health development in the future. Mutual understanding and close-tie developed during the training will bring peace and prosperity to all.

Organizational/Institution

Faculty Medicine, Khon Kaen University

4. Objectives: At the end of the course, participants should be able to...

4.1 Use social determinants of a health framework to critically review contemporary policies, practices and research into tropical medicine, community health care and health development services.

4.2 Increase knowledge and skills for developing and implementing effective community health services in response to anticipated community health challenges.

4.3 Enhance capacity for translating community health research findings into routine practice.

5. Course contents:

5.1 Course outline:

5.1.1 Community health systems and problems

- Community health systems
- Community health problems
- Health Security reform
- National Health Security Office
- Primary health care principles and practice
- Social determinants of health
- Healthcare quality and financing

5.1.2 Community health care research, statistics and data analysis

- Developing research proposal, research question and objectives
- Literature review
- An overview of research methods
- Research design, population, sample size determination and sampling
- Data analysis

5.1.3 Current and future community health priorities

- Tropical Medicine and Community Health in Asia
- Eco health and one health approaches to disease control
- Communicable disease challenges; in-depth coverage of selected local infectious diseases
- Non-Communicable disease challenges: in-depth coverage of selected non-infectious diseases
- Malaria and Dengue: community health and preventive challenges
- HIV in Thailand
- Communicable disease control

5.1.4 Health promotion vs Health development

- Community health development models (Sufficiency Economy)
- Cholangiocarcinoma screening and care program (CASCAP)

5.1.5 Research methods for Community health planning and practice

Health impact assessment
Community based participatory action research
Community intervention: program planning management and evaluation
Participatory epidemiology and social network analysis for infectious disease control
Geographic information system (GIS)

5.2 Course instructional methods: A combination of online lectures (both synchronous and asynchronous) and participant's presentations.

5.3 Practices: Interactive online session to gain experiences on data management and statistical analysis will be provided using updated computer software.

5.4 Assignments:

5.4.1 Country Report: Participants will be expected to prepare and then present a country report using report format according to AITC.

5.4.2 Reading Assignments/Course materials: A reading resource kit and worksheets will be provided along with website links for prior core reading preparation.

5.5.3 Project Assignments: Participants will be expected to prepare examples of community health issues from their own practices in order to develop action plan or research proposal.

5.5.4 Others: Participants will be expected to prepare a community health research/project proposal and data collecting tools prompt to be implemented in their practice.

6. Number of Participants: Approximately 40 persons

7. Participants' Criteria: Health personnel currently working in the community health sectors; e.g., doctors, nurses, pharmacists, public health officers, administrators who met English requirement.

8. Invited Country: Participants from countries throughout the globe.

9. Venue: via Zoom meeting for synchronous online sessions and the sessions will also be available on KKUMEDX online platform for those who are unable to attend synchronous online sessions or those who want to review the lessons.

10. Expected Results:

10.1 Participants will increase their knowledge and skills for developing and implementing effective community health services in response to anticipated community health challenges as well as enhance their capacity for translating community health research findings into routine practice.

10.2 International linkage and collaboration between Thailand and participants' countries will be enhanced.

11. Evaluation:

11.1 Each participant has to present and submit their research/project proposal to the organizing committee at the end of the course.

11.2 In order to complete the course, participants need to attend at least 90% of the classes.

11.3 Group debriefing with participants at the end of the course will be conducted; anonymous feedback from participants in regard to the course objectives, clarity of the course materials, appropriateness of the course delivery, course usefulness, ease of translation of the course experiences into day-to-day practice, course's strengths and weaknesses, and recommendations for enhancing future courses.

12. Institution:

12.1 Executing/implementing Agency:

12.1.1 Faculty of Medicine, Khon Kaen University

12.1.2 There are 21 qualified Faculty members with PhD, MD and Master degrees who attaining vast international experiences and additional 9 supporting staff.

12.1.3 Course designer: Assistant Professor Isaraporn Thepwongsa and colleagues.

12.1.4 Course manager:

Assistant Professor Isaraporn Thepwongsa
Faculty of Medicine, Khon Kaen University,
Khon Kaen 40002 Thailand
Email: tisara@kku.ac.th
Phone: 043 363588

12.2 Collaborative Organizations: Course teaching resources will also be drawn from academic and clinical faculty from KKU Department of Community

Medicine, Tropical Medicine, Internal Medicine, service areas of Srinagarind hospital (KKU), district hospitals and community health centres.

13. Expenditure/Funding: From TICA

**Online International Training Course
Tropical Medicine, Community Health Care and Research**

Date	Time (Thailand time)	Session	Topic/Activity	Lecturer/Instructor
1 August 2022	13.00-14.00	1	-Opening session -Introduction to the teaching hospital, Faculty of Medicine Khon Kaen University (L)	Assoc.Prof.Apichat Jiravuttipong
	14.00-17.00	2	-Orientation to the training course, course outlines and evaluation (L) -Academic Affairs of Faculty of Medicine (L)	Asst.Prof.Isaraporn Thepwongsa
2 August 2022	13.00-15.00	3	Action plan development (L)	Asst.Prof.Isaraporn Thepwongsa
	15.00-17.00	4	Community healthcare system and community health problems (L)	Dr.Sauwanan Bumrerraj
3 August 2022	13.00-15.00	5	Health security reform (L)	Dr.Pichet Leelapanmetha
	15.00-17.00	6	Case study: National Health Security Office (L)	Asst.Prof.Isaraporn Thepwongsa
4 August 2022	13.00-15.00	7	Primary healthcare principle and practice (L)	Asst.Prof.Isaraporn Thepwongsa
	15.00-17.00	8	Case study: Patient home visit (L)	Asst.Prof.Isaraporn Thepwongsa
5 August 2022	13.00-15.00	9	Social determinant of health (L)	Prof.John F Smith
	15.00-17.00	10	Healthcare quality and financing (L)	Assoc.Prof.Pattapong Kessomboon
8 August 2022	13.00-16.00	11	Case study: Thai traditional and complementary medicine for cancer (L)	Asst.Prof.Isaraporn Thepwongsa
9 August 2022	13.00-20.00	12	Presentation of individual participants for problems in their practice settings	Asst.Prof.Isaraporn Thepwongsa, et al.
10 August 2022	13.00-15.00	13	Developing research proposal, research question and objectives (L)	Asst.Prof.Isaraporn Thepwongsa
	15.00-17.00	14	Literature review (L)	Asst.Prof.Isaraporn Thepwongsa
11 August 2022	13.00-15.00	15	An overview of research methods (L)	Assoc.Prof.Pattapong Kessomboon
	15.00-17.00	16	Research design, population, sample size and sampling (L)	Assoc.Prof.Manop Kanato
12 August 2022	13.00-16.00	17	Data analysis (L)	Assoc.Prof.Pattapong Kessomboon
15 August 2022	13.00-15.00	18	Tropical medicine and community health in Asia (L)	Prof.Banchob Sripa

	15.00-17.00	19	Eco health and one health approaches to disease control (Lawa model) (L)	Prof.Banchob Sripa
16 August 2022	13.00-15.00	20	Communicable and non-communicable disease challenges (L)	Dr.Sauwanan Bumrerraj
	15.00-17.00	21	Emerging diseases (L)	Dr.Pornpawee Prukpitikul
17 August 2022	13.00-15.00	22	Malaria and dengue control (L)	Dr.Sauwanan Bumrerraj
	15.00-17.00	23	Communicable disease control (L)	Dr. Pat Nonjui
18 August 2022	13.00-16.00	24	Case study: community health project (model of sufficiency economy) (L)	Asst.Prof.Isaraporn Thepwongsa
19 August 2022	13.00-15.00	25	Health impact assessment (L)	Assoc.Prof.Pattapong Kessomboon
	15.00-17.00	26	Participatory action research and development (L)	Prof.Kessarawan Nilvarangkul
22 August 2022	13.00-15.00	27	Community interventions: program planning management and evaluation (L)	Prof.John F Smith
	15.00-17.00	28	Social network analysis for infectious disease control (L)	Assoc.Prof.Sirikachorn Tangkawattana
23 August 2022	13.00-15.00	29	GIS (L)	Assoc.Prof.Apiporn Thinkamrop
	15.00-17.00	30	Course summary (L)	Assoc.Prof.Pattapong Kessomboon Asst.Prof.Isaraporn Thepwongsa
24 August 2022	13.00-20.00	31	Presentation of action plan/research proposal of individual participants	Asst.Prof.Isaraporn Thepwongsa et al.
25 August 2022	13.00-17.00	32	Course evaluation/closing	Asst.Prof.Isaraporn Thepwongsa