

## **Annual International Training Course: AITC**

**Theme:** Public health

**1. Course Title:** Occupational health and safety in the community:  
How to strengthen the capacity of public health personnel  
(Online Training Course)

**2. Duration:** 3 weeks (15 – 31 August 2022 & 1 – 2 September 2022)

### **3. Background and Rational**

Informal worker is the majority component of the workforce in Thailand like other developing countries because informal economy contributes significantly to economic growth which is important not just as a source of employment but also for the production of goods and services. In 2017, The National Statistical Office (Thailand) reported that 55.2 percent of 37.7 million employed persons were informal employed. Most informal workers are distributed in various communities. As the definition of The Ministry of Labor, informal workers refer to individuals who work in informal economy and do not have employment status under the Labor Protection Act. Typically, they are self-employed or work for those who are self-employed. Their employment status may be part-time, home-base, sub-contract, or short-time workers. These informal workers are not protected or have no social security from work like formal employment and tend to have lower incomes and less training than formal workers, as well as more limited access to healthcare setting. Furthermore, informal workers lack key protections, particularly working conditions which are often poor and unregulated, while occupational health and safety is overlooked. As a consequence of their work and employment conditions, informal workers often face considerable risks and vulnerabilities, leading to work-related illness and injury.

Work-related illness and injury is one of important public health problems because work exposures can lead to premature deaths, disease, disabilities, injuries, and other unhealthful conditions among workers. The International

Labor Organization (ILO) estimates that every year over 2.3 million persons die at work from an occupational injury or disease and over 350,000 deaths are due to fatal accidents. Moreover, almost 2 million deaths are due to fatal work-related diseases. This situation should be placed the great concern on public health personnel because the health of workers is an essential prerequisite for household income, productivity and economic development. Therefore, health promotion and risk reduction among workers, particularly informal workers in the community, is an important function of the health services.

Public health agencies in the community have critical roles to play in occupational health and safety services by providing some essential interventions for protecting workers' health, such as advice for wearing of personal protective equipment, improving work environment and working conditions, detection of occupational diseases and health surveillance of workers. However, occupational health and safety knowledge and skills of public health personnel in the community are limited. To provide the comprehensive and effective occupational health and safety services, each public health personnel has certain required knowledge, skills, and abilities that are essential for success on his/her service. Development of a training course to strengthen the capacity of public health personnel in occupational health and safety services has been initiated because training is an important strategy for transferring knowledge into action on the ground.

The Chiang Mai University Faculty of Nursing (CMU FON) is a known leader throughout the region in nursing education and capacity development. As a World Health Organization Collaborating Center for Nursing and Midwifery Development, CMU FON plays a strong role in building capacity of nurses and midwives in the Asia Pacific region and as far as Africa. For years CMU FON has run community short training courses through the support of the Thailand International Cooperation Agency and participants from 40 countries, hailing from almost every continent, have benefited from these trainings. Moreover, FON is the first academic institute in Thailand offering the 2-year master's program in

occupational health nursing since 2003 and has just established the Center for Occupational Health and Safety in the Northern Region for 3 years ago.

CMU FON will provide a challenging course to train public health personnel to improve their knowledge and skill in providing occupational health and safety services for workers in the community. This training course will help strengthen the capacity of public health personnel who play an important role in providing occupational health and safety services in the community. The anticipated outcome of this training course will lead to be a healthy community through promoting health and preventing work-related illness and injury.

#### **4. Objectives**

After the training, participants will be able to:

- 4.1 Understand health care system and occupational health and safety system and policy in Thailand
- 4.2 Explain fundamental principles of occupational health and safety
- 4.3 Understand basic knowledge of occupational health and safety
- 4.4 Describe role and function of public health personnel in providing occupational health and safety services
- 4.5 Perform workplace walk-through survey to assess and identify risks relate to work
- 4.6 Understand principles of occupational health surveillance and screening
- 4.7 Recommend strategies or approaches for health promotion and reduce risks among workers

#### **5. Course Contents**

##### **5.1 Course Outline**

- 5.1.1 Health care system and occupational health and safety system and policy in Thailand
- 5.1.2 Basic principles of occupational health and safety

- 5.1.3 Basic knowledge related to occupational health and safety
- 5.1.4 Role and function of public health personnel in providing occupational health and safety services in the community.
- 5.1.5 Walk-through survey strategy
- 5.1.6 Principles of occupational health surveillance and screening
- 5.1.7 Strategies for health promotion and risk reduction among workers

## **5.2 Advance Assignments**

- 5.2.1 Reading assignment for each topic of course contents
- 5.2.2 Walk-through survey (VDO Clip) report and presentation

## **6. Participants Criteria**

Participants should meet the following criteria:

- 6.1 Under 45 years' old
- 6.2 Working in the public health field for at least 2 years
- 6.3 Able to participate in the training course for the entire time
- 6.4 In good health both physically and mentally
- 6.5 Sufficient command of spoken and written English language
- 6.6 Computer literacy
- 6.7 Be nominated by their government

## **7. Venue**

This three-week course will be conducted in August 16 - 31 & September 1 - 2, 2022 via Zoom Meetings and Nurse KC Moodle Platform

## **8. Expected results**

After the training, participants will be able to apply their knowledge, experiences, and skills in providing basic occupational health and safety services for own community. The optimal outcomes will be the healthy workers, healthy workplace, and healthy community.

## **9. Evaluation**

- 9.1 Learning exercise
- 9.2 Online class participation and discussion
- 9.3 Presentation and report
- 9.4 Evaluation form

## **10. Institution**

### **10.1 Executing/Implementing Agency**

- Faculty of Nursing, Chiang Mai University  
Dr. Thanee Kaewthummanukul  
Assistant Professor, Dean of Faculty of Nursing  
Chiang Mai University  
Chiang Mai, Thailand 50200  
Tel (6653) 936083  
Fax (6653) 217145  
Email: [thanee.kaewthummanu@cmu.ac.th](mailto:thanee.kaewthummanu@cmu.ac.th)

### **10.2 Collaborative Organizations**

- Workplaces in the community in Chiang Mai Province and Lamphun Province
- Community Hospitals and Health Promoting Hospitals in Chiang Mai Province and Lamphun Province

## **11. Expenditure/Funding**

Thailand International Cooperation Agency (TICA)  
Government Complex, Building B (South Zone), 8<sup>th</sup> Floor,  
Chaengwattana Rd. Laksi District, Bangkok 10210 THAILAND  
Website: <http://tica-thaigove.mfa.go.th/en/index>  
Email: [aitc@mfa.mail.go.th](mailto:aitc@mfa.mail.go.th)

**Online International Training Course on**  
**“Occupational health and safety in the community:**  
**How to strengthen the capacity of public health personnel”**  
 during August 15 – 3, 2022 & September 1 - 2, 2022  
 Via Zoom Meetings and Nurse KC Moodle Platform  
 Organized by Faculty of Nursing, Chiang Mai University, Thailand

Time/ Date	Topic/Activity	Method/Media	Speaker/ Facilitator
<b><u>Mon, August 15, 2022</u></b> <b><u>(Real Time)</u></b> 09.30 - 10.00 a.m. 10.00 - 11.00 a.m. (L = 1 hr.)	- Opening session - Orientation to the course	Zoom Meetings	FON Staff FON Staff
<b><u>Tue/Wed/Thu/</u></b> <b><u>August 16/17/18, 2022</u></b> 08.00 a.m. – 12.00 noon (L = 4 hrs.)	- Health care system in Thailand	Lecture VDO on KC Moodle	Guest lecturer
	- Occupational health and safety system and policy in Thailand		Guest lecturer
	- Fundamental principles of occupational health and safety		FON Staff
	- Basic knowledge related to occupational health and safety: Occupational hazards Physical and Biological hazards Chemical hazards		FON Staff

Time/ Date	Topic/Activity	Method/Media	Speaker/ Facilitator
<p><b><u>Fri, August 19, 2022</u></b>  <b><u>(Real time)</u></b>            09.00 a.m. – 12.00 noon            (P = 3 hrs.)</p>	<ul style="list-style-type: none"> <li>- Summary &amp; Discussion</li> <li>- Occupational health and safety system and policy in Thailand</li> <li>- Fundamental principles of occupational health and safety</li> </ul>	Zoom Meetings	FON Staff 5 persons
<p><b><u>Mon/Tue/Wed/Thu</u></b>  <b><u>August 22/23/24/25, 2022</u></b>            09.00 a.m. – 12.00 noon            (L = 3 hrs.)</p>	<ul style="list-style-type: none"> <li>- Basic knowledge related to occupational health and safety:               <ul style="list-style-type: none"> <li>- Ergonomics hazards</li> <li>- Psychosocial hazards</li> <li>- Working condition and Safety at Work</li> <li>- Common occupational diseases</li> </ul> </li> </ul>	Lecture VDO on KC Moodle	FON Staff
<ul style="list-style-type: none"> <li>- Role and function of public health personnel in providing occupational health and safety services in the community</li> </ul> <p>* VDO of occupational health and safety services in the community</p>	FON Staff		
<ul style="list-style-type: none"> <li>- Walk-through survey strategy</li> </ul>	FON Staff		

Time/ Date	Topic/Activity	Method/Media	Speaker/ Facilitator
<u><b>Fri, August 26, 2022</b></u>			
<u><b>(Real time)</b></u>			
09.00 a.m. – 11.30 a.m. (P = 2.5 hrs.)	<ul style="list-style-type: none"> <li>- Summary &amp; Discussion</li> <li>- Basic knowledge related occupational health and safety and discussion</li> <li>- Role and function of public health personnel in providing occupational health and safety services in the community</li> </ul>	Zoom Meetings	FON Staff 5 persons
11.30 a.m. – 12.00 noon (P = 0.5 hr.)	<ul style="list-style-type: none"> <li>- Assign for walk-through survey activity</li> <li>** Five groups of participants: walk-through survey activities include watching VDO and making report and preparing presentation</li> <li>*** Five VDOs of operational process:               <ol style="list-style-type: none"> <li>1) Two formal enterprises</li> <li>2) Informal SME</li> <li>3) Hospital</li> <li>4) Freelance job</li> </ol> </li> </ul>		FON Staff 5 persons

Time/ Date	Topic/Activity	Method/Media	Speaker/ Facilitator
<u>Sat/Sun/Mon/Tue</u> <u>August 27/28/29/30, 2022</u> 09.00 a.m. – 12.00 noon (L = 3 hrs.)	- Principles of occupational health surveillance and screening	Lecture VDO  on KC  Moodle	FON Staff
	- Strategies for health promotion and risk reduction among workers  **** VDO of the best enterprise for health promotion and risk reduction among workers		FON Staff
<u>Wed, August 31, 2022</u> <u>(Real time)</u> 09.00 a.m. – 12.00 Noon (P = 3 hrs.)	- I: Presentation of walk-through survey activity  (3 groups)		FON Staff 5 persons
<u>Thur September 1, 2022</u> <u>(Real time)</u> 09.00 a.m. -11.00 a.m. (P = 2 hrs.)  11.00 a.m. – 12.00 noon (P = 1 hr.)	- II: Presentation of walk-through survey activity  (2 groups)	Zoom  Meetings	FON Staff 5 persons
	- Summary: - Principles of occupational health		FON Staff 5 persons

Time/ Date	Topic/Activity	Method/Media	Speaker/ Facilitator
	surveillance and screening - Strategies for health promotion and risk reduction among workers		
<u><b>Fri, September 2, 2022</b></u> <u><b>(Real time)</b></u> 09.00 a.m. – 11.00 a.m. (P = 2 hrs.)  11.00 a.m. – 12.00 noon	- Course evaluation and submitting group report (word & power point file) of walk-through survey activities - Closing session		FON Staff 5 persons  FON Staff 5 persons

Hour Conclusion:

Lecture = 11 hours

Practice = 14 hours

