

## **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

### **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 - 3, 2021

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

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### 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)

**Online International Training Course**  
**on “Occupational health and safety in the community:**  
**How to strengthen the capacity of public health personnel”**  
 during August 16 - 31 & September 1 - 3, 2021  
 Via Zoom Meetings and Nurse KC Moodle Platform  
 Organized by Faculty of Nursing, Chiang Mai University, Thailand  
 With the support of the Thailand International Cooperation Agency (TICA)

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Time/ Date	Topic/Activity	Method/Media	Speaker/ Facilitator
<b>Monday,</b> <b>August 16, 2021</b> 09.30 - 10.00 a.m. 10.00 - 11.00 a.m.	- Opening session - Orientation to the course (L = 1 hr.)	Zoom Meetings	- FON Staff - FON Staff
<b>August</b> <b>17 - 19, 2021</b> (L = 4 hrs.)	- Health care system in Thailand - Occupational health and safety system and policy in Thailand - Fundamental principles of occupational health and safety - Basic knowledge related to occupational health and safety: Occupational hazards Physical and Biological hazards Chemical hazards	Lecture VDO on KC Moodle	- Guest lecturer - Guest lecturer - FON Staff - FON Staff
<b>Friday,</b> <b>August 20, 2021</b> 09.30 - 11.30 a.m. (P = 2 hrs.)	- Summary & Discussion (Real time) - Occupational health and safety system and policy in Thailand - Fundamental principles of occupational health and safety	Zoom Meetings	- FON Staff

Time/ Date	Topic/Activity	Method/Media	Speaker/ Facilitator
<p><b>August</b> <b>23 - 26, 2021</b> (L = 3 hrs.)</p>	<ul style="list-style-type: none"> <li>- Basic knowledge related to occupational health and safety:</li> <li style="padding-left: 20px;">- Ergonomics hazards</li> <li style="padding-left: 20px;">- Psychosocial hazards</li> <li style="padding-left: 20px;">- Working condition and Safety at Work</li> <li style="padding-left: 20px;">- Common occupational diseases</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> <li>* VDO of occupational health and safety services in the community</li> </ul>		- FON Staff
	<ul style="list-style-type: none"> <li>- Walk-through survey strategy</li> </ul>		- FON Staff
<p><b>Friday,</b> <b>August 27, 2021</b> 09.30 - 11.30 a.m. (P = 2 hrs.)</p> <p>11.30 - Noon (P = 0.5 hr.)</p>	<ul style="list-style-type: none"> <li>- Summary &amp; Discussion</li> <li style="padding-left: 20px;">- Basic knowledge related to occupational health and safety and discussion</li> <li style="padding-left: 20px;">- Role and function of public health personnel in providing occupational health and safety services in the community</li> <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>	Zoom Meetings	<p>- FON Staff</p> <p>- FON Staff</p>



Time/ Date	Topic/Activity	Method/Media	Speaker/ Facilitator
<b>August</b> <b>28-31, 2021</b> (L = 2 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
<b>Wednesday,</b> <b>September 1, 2021</b> 09.00 - Noon (P = 3 hrs.)	- I: Presentation of walk-through survey activity (3 groups)	Zoom Meetings	- FON Staff 5 persons
<b>Thursday,</b> <b>September 2, 2021</b> 09.30-11.30 a.m. (P = 2 hrs.) 11.30 - Noon (P = 0.5 hr.)	- II: Presentation of walk-through survey activity (2 groups)  - Summary: - Principles of occupational health surveillance and screening - Strategies for health promotion and risk reduction among workers		- 5 FON Staff  - 5 FON Staff
<b>Friday,</b> <b>September 3, 2021</b> 09.30 –11.00 a.m. (P = 1.5 hrs.) 11.00 – Noon	- Course evaluation and submitting group report (word & power point file) of walk-through survey activities  - Closing session		- 3 FON Staff  - 3 FON Staff

Hour Conclusion:

Lecture = 10 hours

Practice = 11.5 hours