

Course Detail

Master of Public Health Program in Global Health and One Health

Course Title:	Master of Public Health Program in Global Health and One Health (International Program)
Master Degree:	Master of Public Health (M.P.H)
Academic Institution:	Faculty of Public Health, Chiang Mai University
Duration:	2 years (June 2022 – May 2024)

Background and Rational:

The 2-year Master of Public Health (MPH) International Program provides students with a strong foundation in the fundamental principles of public health. The program offers students the opportunity to play the leadership role in public health policy and practice. This track is designed specifically for those who wish to work at the interface of policy making and management for health system strengthening. The program also provide student with public health administration for developing countries including primary health care, community health care system, universal health coverage. Its flexible modular structure allows the program to meet a wide range of student needs and interests, and to tailor learning the particular area of public health. The MPH is suitable for both clinical and non-clinical professionals who aspire to be the leaders in public health, either in Thailand or in their own countries. The student can participate in collaborative efforts to make positive changes in public health and to contribute to research to solve public health problems. To have maximum impact on health, collaboration is essential. Public health practice organizations, academic institutions, community-based organizations, and other related sectors all their roles and responsibilities in ensuring functional public health systems. The student will have opportunities to work together on assessing and addressing community health needs. A wide range of professionals can participate in the program, including doctors, public health technical officers, human physicians, veterinarians, dentist, pharmacists, medical technologist, nurses, social workers, health care managers, social scientists, and others.

The MPH program has been designed to provide progression from the fundamentals to more advanced topics in all tracks of public health. The program begins by introducing key issues in Global Health and One Health core competencies, learning and communication skills, risk analysis, assessment of health needs, prevention and control strategies and epidemiology for both communicable and non-communicable diseases. Alongside these units, students will take the introductory research methods unit, providing the basis for a research project conducted later in the program. This educational program is delivered through:

- Face-to-face classes
- Field experience with Global Health and One Health approaches and working effectively in partnership with experts from different disciplines
- Completing thesis/project in Thailand and student's country

Major in Global Health

The program is suitable for students who aspire to be leaders in public health in their own countries or at an international level. The flexible modular structure allows the program to meet a wide range of student needs and interests, and to tailor learning the particular area of public health focusing on Global Health and applications of this approach to specific challenges in planning, delivery and management of health services in an international context. The program serves a required core disciplines of public health and address the issue of migrant and minority health, health system planning and management for the aging population. Learning objectives include:

- Brings together aspects of clinical, public health and social science research to address the broad issues of health and health care
- Prepare students to meet global challenges for the health of populations and communities in a global context
- The application of this approach to specific challenges in planning, delivery and management of health services in a global context

Major in One Health

The MPH major in One Health seeks to provide students with an in-depth understanding of public health principles and practice focusing on One Health. The program is designed to develop capacity of professional to use and integrated One Health approach for surveillance, prevention mitigation and intervention addressing agents and associated diseases at interface of human, animal, and environmental health. The learning outcomes are:

- Demonstrate understanding of public health issues focusing on a One Health approach that includes a cross-disciplinary and cross border perspective
- Assess global drivers of reform in health systems and influence their potential impacts on future public health policy directions in both developed and developing countries
- Systematically assess and evaluate health needs of populations using a One Health approach and apply the research process to the study of public health

In addition to MPH in One Health a unique one of a kind opportunity is offered by Chiang Mai University as a double degree program in collaboration with School of Public Health, University of Minnesota (SPH-UMN), a top 10, U.S. CEPH accredited MPH program. The student who desires the double degree participate in online courses offered by University of Minnesota in addition to elective course work, field applied practice experiences and thesis or independent study projects at Chiang Mai University by both university advisors expanding their professional network not only throughout the ASEAN region but in the United States.

Faculty of Public Health, Chiang Mai University is well-equipped in terms of networks, locations, and cooperation from both government and private sectors in the field of public health. The faculty also partners with leading universities across the globe. Academic staff members have graduated from leading university abroad and also published research in an internationally recognized journal. The program's focus is to create professionals with the capacity to carry out

their social responsibilities and contribute to the field of public health at local, national, regional, and international level. The graduate student who completes this program will develop a strong base of knowledge and the skill necessary in public health concerns.

Objectives:

At the end of the program, student will be able to:

- Clearly understand the core disciplines in public health
- Critically assess population health status and population health problems, risk factors, and determinants, and determine health needs
- Conduct the research related to Global Health and One Health approaches
- Apply theories and concepts related to Global Health and One Health approaches in potential community health management, prevention and control of disease, and health promotion
- Have a building skill on health literacy and health communication

Course Synopsis and Methodology:

1. Study plan

The 36 credits degree program consists of 20 credits core coursework, 4 credits of elective, 12 credits of thesis;

Year 1 - Semester 1			
Course 1	676702	Principle of Social and Behavioral Science in Public Health	3 credits
Course 2	676704	Research Methodology in Public Health	3 credits
Course 3	676701	Principles of Epidemiology	3 credits
Course 4	676700	Public Health Biostatistics	3 credits
Course 5	676703	Principle of Public Health Administration	2 credits
total			14 credits
Year 1 - Semester 2			
Course 6	676705	Occupational and Environmental Health	2 credits
Course 7	678792	Seminar in Global Health/One Health	2 credits
Course 8	676706	Fieldwork Practice in Public Health	2 credits
Course 9		Elective course	2 credits
Course 10		Elective course	2 credits
total			10 credits
Year 2 – semester 1			
	677799	Thesis	6 credits
		Thesis Proposal examination	
total			6 credits
Year 2 – semester 2			
	677799	Thesis	6 credits
		Thesis defense examination	
total			6 credits

2. Course Content

In order to complete the International Program in Master of Public Health, students must complete 36 credits as follows:

- **Major in Global Health Program**
Type A2 [Thesis] Degree Requirements a minimum of 36 credits
- **Major in One Health Program**
Type A2 [Thesis] Degree Requirements a minimum of 36 credits

Major in Global Health Program Type A2 [Thesis]

A. Coursework		24 Credits
Required courses		20 Credits
	Public Health Biostatistics	3 credits
	Principles of Epidemiology	3 credits
	Principle of Social and Behavioral Science in Public Health	3 credits
	Principle of Public Health Administration	2 credits
	Research Methodology in Public Health	3 credits
	Occupational and Environmental Health	2 credits
	Fieldwork Practice in Public Health	2 credits
	Seminar in Global Health	2 credits
Elective courses		4 credits
	Public Health Economics	2 credits
	Health Promotion	2 credits
	Public Health Project Evaluation	2 credits
	Public Health Informatics	2 credits
	Sustainable Health Development	2 credits
	Globalization and Health	2 credits
	Applied Public Health Nutrition	2 credits
	Emerging and Re-emerging Infectious Diseases	2 credits
	Healthy Aging	2 credits
	Environment and Health	2 credits
	Risk Analysis for Public Health	3 Credits
	Participatory Epidemiology	3 Credits
	Global Health Policy and Management	2 credits
	Public Health Aspects of Emergency and Disaster Management	2 credits
	Migrant and Ethnic Minority Health	2 credits
B. Thesis		12 credits

Major in One Health Program Type A2 [Thesis]

A. Coursework		24 Credits
Required courses		20 Credits
	Public Health Biostatistics	3 credits
	Principles of Epidemiology	3 credits
	Principle of Social and Behavioral Science in Public Health	3 credits
	Principle of Public Health Administration	2 credits

	Research Methodology in Public Health	3 credits
	Occupational and Environmental Health	2 credits
	Fieldwork Practice in Public Health	2 credits
	Seminar in One Health	2 credits
Elective courses		4 credits
	Public Health Economics	2 credits
	Health Promotion	2 credits
	Public Health Project Evaluation	2 credits
	Public Health Informatics	2 credits
	Sustainable Health Development	2 credits
	Globalization and Health	2 credits
	Applied Public Health Nutrition	2 credits
	Emerging and Re-emerging Infectious Diseases	2 credits
	Healthy Aging	2 credits
	Environment and Health	2 credits
	Introduction to One Health	2 credits
	Communication in One Health	2 credits
	Systems Thinking and Community Empowerment in One Health	2 credits
	Risk Analysis for Public Health	3 credits
	Participatory Epidemiology	3 credits
	Food Safety from Farm to Consumer	3 credits
	Zoonoses	1 credit
B. Thesis		12 credits

Graduation Conditions:

1. Complete the courses as specified by the program with an average score of not less than 3.00 from the 4 levels score system or equivalent.
2. Organize seminar and present a paper two times throughout the program and students have to attend seminar that the course is offered.
3. Present a thesis and pass the final oral examination by the committee that the University has appointed.
4. Thesis work or part of the thesis must be either published in English or at least accepted to publish in a national journal listed in TCI Tier 1 database or international journal **or** at least a thesis work must be presented in international conference accepted by the field of study with the student as the first author **or** have patent

Applicant Qualifications:

1. Applicants must hold any of the following degrees: M.D., M.B.B.S., B.Pharm., D.D.S., D.V.M., B.N., or B.Sc., from an accredited institution.
2. Work experiences of health or human services at least 1 year
3. TOEFL score of at least 500 (PBT) or 173 (CBT) or 61 (IBT), IELTS score of at least 5.5 or CMU-eTEGS score of at least 65 In some instances, an applicant may be allowed to begin the program with the intention of demonstrating English proficiency (e.g. TOEFL, IELT) within a year after starting the program. This option will be decided upon the MPH committee.

Document Required:

1. Certified copy of transcript of record (High school and Bachelor' s degree transcript, English version)
2. Certified copy of degree certified (English version)
3. Copy of TOEFL, IELTS, CMU-eTEGS or equivalent test result
4. Two recommendation letters, one of which must be from the current or latest applicant's major advisor and the other should be from the person most familiar with his/her scholarly work (recommendations will receive a stronger consideration if they are from a professor at CMU who is expected to be his/her master's thesis advisor).
5. Concept proposal of research field of interest (not more than 250 words)

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***The application procedure will complete when TICA has received the hard copy of the application form and other related documents through the Royal Thai Embassy/Permanent Mission of Thailand to the United Nations/Royal Thai Consulate – General accredited to eligible countries/territories.