

Course Detail

1. Course Title: _____ Master of Public Health (สาธารณสุขศาสตรมหาบัณฑิต)
2. Full Title of the Degree: _____ Master of Public Health
- Abbreviated: _____ M.P.H.
3. Academic Institution: _____ Faculty of Public Health, Naresuan University
4. Duration: _____ 2 years

5. Background and Rational:

According to vision and mission of Naresuan University, they focus on three management approaches including 1) Hybrid. The university is to promote new knowledge and diverse skills to be applied and accepted nationally and internationally; 2) Partnerships. Strengthening partnership is one of the keys to help the university produce well-qualified students, research, and academic services, which leads to economic and social development and 3) Networking. The university continuously initiates networks with Thai and foreign institutions in order to promote the production of well-qualified students, commercialized research, and academic services to maximize the university capability as well as data and resource management. The course of M.P.H. (Master of Public Health) was established in order to serve those vision and mission. The course aims to produce well-qualified graduate students for being good leaders, analysts, as well as public health professionals who are able to collaborate knowledge and experiences in order to solve public health issues and improve quality of life of all people.

The faculty of public health has facilities to serve the course. Furthermore, all lecturers at the faculty have variety of experiences in the fields of public health. Most of them have research publications on international journals. Some of them conducted research project with international networks. Therefore, these experiences of the lecturers will convey to those graduate students fruitfully.

With respect to networks, the faculty has both national networks and international network. In terms of national network, provincial health office, community hospital, and health care center/Health Promoting Hospital are national networks where are the places for study visit in both urban and rural areas. Regarding international networks, there are GMS (Greater Mekong Sub region) and AUN HPN (ASEAN University Network- Health Promotion Network). These international networks are able to open the opportunity for our graduate students to

present their research publications and share experiences with overseas students from many countries.

6. Expected Learning Outcomes:

The Master of Public Health course aims at shaping the students to be capable as follows.

- 6.1 Demonstrate ability to perform public health services for the population in accordance with professional ethics and a code of conduct for public health practitioners.
- 6.2 Apply public health knowledge in the provision of health and public health services.
- 6.3 Demonstrate effective communication skills and appropriate use of technology in collaborating with healthcare teams and other sectors, including local authorities, communities, and private organizations.
- 6.4 Apply principles of health promotion and disease prevention in delivering health services to families, population groups, and communities.
- 6.5 Analyze critical health problems to protect and promote public health and organize health service delivery for the population.
- 6.6 Analyze, interpret, and evaluate health data to develop health problem-solving strategies.
- 6.7 Synthesize health-related data encompassing social determinants of health to improve and manage health service delivery.
- 6.8 Select and utilize appropriate knowledge and data in developing public health research to address health problems within the designated area of responsibility.
- 6.9 Design public health research methodology to resolve health issues within the designated area of responsibility.

7. Course Synopsis Methodology:

7.1 Study Plan

Study Plan of Master of Public Health Program (M.P.H.)

First Year Program

1st Semester

551514	Biostatistics for Public Health Research	3(2-2-5)
551517	Behavioral Sciences and Health Education	3(2-2-5)
551518	Epidemiology	3(2-2-5)
551591	Research Methodology in Public Health (Non-Credit)	3(2-2-5)
551592	Seminar (Non-Credit)	1(0-2-1)

Total 9 Credits

First Year Program

2nd Semester

551515	Public Health Administration	3(2-2-5)
551516	Environmental and Occupational Health	3(2-2-5)
551521	Health Promotion	3(2-2-5)
551523	Managing Older Adult Care in Health System	3(2-2-5)
551581	Thesis 1, Type A2	3 Credits

Total 15 Credits

Second Year Program

1st Semester

551XXX	Elective Course	3(2-2-5)
551582	Thesis 2, Type A2	3 Credits

Total 6 Credits

Second Year Program

2nd Semester

551583	Thesis 3, Type A2	6 Credits
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Total 6 Credits

Total of Credits 36 Credits

The Structure of the Curriculum

1) Coursework	
- Compulsory Courses	21 Credits
- Electives	3 Credits
2) Thesis	12 Credits
3) Required Non-Credit Courses	4 Credits
Total	36 Credits

Curriculum Type

Master's Degree Level 4 according to Thai Qualifications Framework for Higher Education (TQF) B.E.2558

Teaching Days-Times

Monday – Friday	8.00 – 17.00 hrs.
First Semester:	June – October
Second Semester:	November – March

Time Frame of the Study

- Study coursework for the M.P.H. program
- Submission of English language proficiency test result
- Submission of a research topic
- Thesis proposal examination
- NU-IRB submission and approval process
- Data collection
- Thesis defense examination
- Publishing a research paper in an international journal
- Submission of the complete thesis for graduation

7.2 Course Content

551514 Biostatistics for Public Health Research 3(2-2-5)

Probability distribution and sampling distribution, parameter estimation and hypothesis testing using parametric and non-parametric statistics, the relationship between the variables and regression analysis, using statistical software for data analysis, presenting data analysis, criticizing statistics used in research

551515 Public Health Administration 3(2-2-5)

Concept of health system, decentralization in health system, public health laws, concept and process of health policy, principles and processes of public health administration, leadership, good governance for administrator, ethics for public health professional, human resources management, budgeting and financial management, medical supply inventory and durable article management, information system management, quality assurance in public health, networking and network coordination, new administrative techniques, application of principle of public health administration in developing a plan for public health works

551516 Environmental and Occupational Health 3(2-2-5)

Principle and concept of ecology and environmental health, principle and concept of food sanitation and food safety, insects and animals carrier control, solid waste management system, housing sanitation and environmental pollution, environmental policy, climate change and health, airborne transmission, concept and principle in risk assessment in environmental health, environmental impact assessment, concept and importance of occupational health and safety, hazardous working environments, principle of control and prevention of hazards due to working environment, airborne transmission protection, ergonomic assessment, new problem issues in environmental health and occupational health, preparatory and supporting disaster

551517 Behavioral Sciences and Health Education 3(2-2-5)

Situation and trend in public health problems, causal analysis of problems in public health and health behaviors, concepts of health education, behavioral sciences and health behaviors, aims of health education, role of health education in solving public health problems, concept, model, and theories of health education and modification behavioral sciences, and the application for changing health behaviors, planning, implementing, and

evaluating health education program, research and development of innovations in health education

551518	Epidemiology	3(2-2-5)
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Concepts, significance and scope of epidemiology and social epidemiology, disease indicators, natural history of diseases and disease development in human, measures of frequency of frequency and association of diseases, emerging and re-emerging diseases, local epidemic diseases, epidemiological surveillance and investigation, study designs in epidemiology, and the application of principle and epidemiology in public health

551521	Health Promotion	3(2-2-5)
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Concepts and principles of health promotion, health promotion strategy, method of health promoting in individual and group, principle of health literacy, social and health inequality, health promotion in the community, health promotion in the workplace, health promotion in the schools, promoting healthy by age groups, healthy lifestyle and well-being, development competencies of communities for health promotion, planning and evaluation of health promotion, health promotion innovative, competency of public health professionals in health promotion, health promotion practice through inter-professional collaboration

551523	Managing Older Adult Care in Health System	3(2-2-5)
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Meaning, importance, situation and policy relevant to older adults both nationally and globally, ageing process, ageing challenges, social determinants of health of ageing, perspectives of ageing, managing home and community environment for the older adult, factors associated with functional health for the older adult, health need and health seeking behavior in older adult, active aging, long term care fund for dependent older adult, standard and service guideline for dependent older in long-term care institution, standard and service guideline for the older adult in community

551536	Social Epidemiology	3(2-2-5)
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Concept and theory in social epidemiology and the application for public health planning and problem solving in community, investigation of epidemiology, epidemiological information, the application of epidemiological information for community diagnosis, problem identification, analysis of causation, and planning for problem solving in community

551537 Policy and Health System Reform 3(2-2-5)

Concepts, theories of health policy, factors influencing health policy process among public and private sectors, health policy analysis, health policy management, assessment of health policy utilization, health care reform and comparative health systems, and impacts of health care reform

551538 Safety Management in Workplace 3(2-2-5)

Fundamental in occupational health and safety management, investigation and analysis of an accident, management for detriment control, safety system, risk management, personnel safety equipments and emergency equipment management, human behavior and safety behavior in working condition, safety promotion techniques in working and safety management system

551539 Environmental Health Management in Community 3(2-2-5)

Principles and concepts in system analysis, problem identification of environmental health in community, potential and situation of environmental health, planning controlling managing and evaluating in environmental health such as air pollution, noise, pollution, water pollution and community waste, problems of chemical toxic and hazardous waste, water supply, tap water and sanitation

551540 Human Resources Management in Health Care 3(2-2-5)

Health system and components of health system, concepts and situation of health care workforce in developed and developing countries, recruitment and selection, human resource development, interprofessional collaboration in developing of health care workforce, compensation and benefit, occupational health and safety of health care workforce, retention of health care workforce

551541 Environmental Toxicology in Public Health 3(2-2-5)

An overview of environmental toxicology, impacts of human exposure to toxic substances, toxin mechanisms of action and potential adverse health effects, risk assessment in public health practice, management of toxic pollutants, legislation on toxic pollutants

551542	Environmental and Health Impact Assessment	3(2-2-5)
Principles and concepts of environment and health impact assessment (EHIA), components of EHIA, analysis of environment and health impact, writing in EHIA report, applying EHIA in public health		
551543	Public Health Innovation Development	3(2-2-5)
Introduction to innovation, evolution of Thai health Innovation, Thai innovative health concepts, public health, Thai innovation to health for all, the importance and necessity of innovation in public health, the development of innovative for public health, health strategy innovative health analysis role of public health academician and health innovation		
551545	Public Health Geographic Information Systems	3(2-2-5)
The development of medical geography, geographic information systems in public health, concepts of place and space, medical geography in public health, spatial data and public health geographic, information system database management, mapping public health information, applications of geographic information systems in public health		
551581	Thesis 1, Type A2	3 credits
Studying the elements of a thesis or thesis examples in the related field of study; determining the thesis title; developing a concept paper; and preparing the summary of the literature and related research synthesis		
551582	Thesis 2, Type A2	3 credits
Developing research instruments and research methodology; and preparing a thesis proposal in order to present it to the committee		
551583	Thesis 3, Type A2	6 credits
Collecting data; analyzing data; preparing a progress report in order to present it to the thesis advisor; and preparing the full-text thesis and a research article in order to get published according to the graduation criteria		

551591 Research Methodology in Public Health 3(2-2-5)

Meaning, types and research methodology in public health, literature review, research questions and research objective, variable and hypothesis, principle of quantitative and qualitative research, population and sample size determination, sample size calculation, instrument development, data collection, data analysis, development of research proposal and writing research report, writing manuscript for publication, and research ethics

551592 Seminar (Non-Credit) 1(0-2-1)

Studying, searching public health problem issues in international, national, and regional levels, reviewing literatures and related articles, formulating issues and topic of public health problems of interest and presentation

8. Graduation Conditions:

- A total of 36 credits are required to complete the Master of Public Health program.
- A minimum cumulative 3.00 GPA is the requirement for graduation.
- The student needs a full paper internationally published in a journal or proceedings of an international conference, which is in the database of ISI Web Science or the SCOPUS journal list and must publish at least one study for master level.
- To satisfy the English-language proficiency requirement for master-level graduation at Naresuan University, a student must meet one of the following criteria:

IELTS	5.0
TOEIC	601
TOEFL iBT	35
CEPT (Cambridge English Placement Test)	B1 (37)
TEC-W Score	76
CU-TEP	54

9. Applicant Qualifications:

9.1 Applicants must hold a bachelor's degree or equivalent in health sciences or related fields, such as public health, medicine, dentistry, veterinary medicine, pharmacy, nursing, medical technology, health sciences, or other related disciplines from institutions accredited by the Ministry of Education or the Ministry of Higher Education, Science, Research, and Innovation. Final-year undergraduate students in health sciences or related fields who are

expected to complete their degree requirements prior to the beginning of the academic semester are also eligible to apply. Additionally, all applicants must meet other qualifications as specified in the Naresuan University Regulations on Graduate Studies B.E. 2559 (2016).

9.2 Applicants whose qualifications do not meet the criteria specified in item 9.1 may submit a request for consideration of admission. The decision to accept such applications shall be at the discretion of the Master of Public Health Program Administrative Committee.

10. Application Documents Required:

- 10.1 Academic transcripts and certifications for previous degrees
- 10.2 Copy of Passport
- 10.3 IELTS, CEPT, TOEIC, TOEFL, or any other English Proficiency Test Report
- 10.4 Curriculum Vitae or Resume
- 10.5 Recommendation Letter
- 10.6 Concept Paper or Research Proposal (if any)

11. Admission Coordinators:

For more information, international applicants please contact:

- 11.1 Mrs. Naphaporn (Phithaksophon) Nanthasena

International Relations Officer

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- 11.2 Mrs. Nutnapat Jomsueb

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