

Course Detail

Master of Science Program in Innovative and Tropical Health (International Program)

Course Title:	Master of Science Program in Innovative and Tropical Health (International Program)
Master Degree:	Master of Science Program in Innovative and Tropical Health
Academic Institution:	Graduate School, Faculty of Medicine, Faculty of Engineering, and Faculty of Technology Mahasarakham University
Duration:	June 2021 – May 2023

Background and Rational:

According to the 12th National Economic and Social Development Plan (2017-2021), dramatic social and economic changes in South-east Asian Region and worldwide are witnessed. These changes coupled with having national development policy toward moving to Thailand 4.0, being one out of ten nations in the ASEAN community since 2015, and incorporating the Sustainable Development Goals (2016-2030) of the United Nations, emphasizing, in particular, no poverty, zero hunger, good health and well-being, quality education, gender equality, clean water and sanitation, affordable clean energy, and other related ten goals, have made Thai people, groups, institutes, and organizations to prepare and to be ready for all changes and newly development goals for competitive advantage on the world stage.

Current globalization leads to social and cultural change dramatically. Thailand becomes multicultural setting and these changing conditions influence on shifted health culture of the country. These changes coupled with incorporation national health policies with the policies of the World Health Organization-WHO, Thailand has launched six strategic plans since 2016, including strengthening road safety, multisectoral network for non-communicable diseases, international trade and health, disaster preparedness and response, ageing program, and migrant health program. Preparation of highly qualified health science personnel with eligible knowledge and skills in development of health and quality of life of a population in ever changing socio cultural context are needed. Consequently, quality health scientists could contribute to a better translational nation with sustainable development.

Objectives:

- Having moral and ethical to constantly put their best efforts for the benefits of society and country.
- Having knowledge, ability and skill in innovation and tropical health theoretically and practically, being able to conduct research studies and utilize new and useful knowledge in tropical health at an international level, as well as being able to creatively construct and look for new knowledge.
- Having ability to analyze data critically and constructively, being able to create valuable research in tropical health, develop innovation, manage and utilize technology, as well as corporate networking to help solving solutions and alleviation of health problems of the population and health care system development to promote people's health and quality of life and to facilitate socio and economic growth nationally and internationally in a sufficient and sustainable way.
- Having human relationship skill, being able to work harmonize with other people, and having responsibility for assigned works.
- Having ability and skill in numeral analysis, systematically help solve problems, communication and information technology.

Course Synopsis and Methodology:**Study plan**

System: Following the regulations of Mahasarakham University regarding Graduate Education 2017 Group 2 Article 12 (more detail in appendix), this curriculum uses a semester system. Each academic year will be separated into two semesters which are primary semester and final semester with at least 15 weeks per semester.

Thesis/Independent Study

Course Content**Bioinformatics****Innovative in Health Science****Integrative and modern Public Health****Biostatistics for integration****Global health****Nutrition and Health****Emerging medicine, Tropical Medicine****Travel medicine, Disaster medicine****Integrative Parasitology****Translational medicine****Health informatics****Health geographic information system)****Graduation Conditions:**

- Passed at least one language test result according to MSU regulations and conditions
- Passed “Qualifying Examination” for thesis based program
- Finalized thesis proposal submission, pass final oral examination which includes specialist committee with both internal and external MSU members
- Thesis result must be published or accepted for publication in any qualified national or international journal listed in database such as TCI, ISI, Scopus, PubMed or Web of Science with at least one article or proceeding of International conference indicating student as the first author to meet the university criteria

Applicant Qualifications

- Applicants who graduated with a Bachelor degree in health science or have related fields such as public health, nursing, pharmacy, associated medical sciences from an education institution approved by the (MUA) or having research experience.
- Applicants must succeed first class honor or a GPA of at least 3.25.
- Applicants must have at least one research articles published in the national or international database peer-reviewed journal after bachelor degree graduation.
- Applicants must submit research proposal which is consistent of objective of their major and accepted by the Curriculum Administrative Committee or Proposal Committee of the Faculty.
- Applicants must fulfil qualification according to the regulations of the University regarding Graduate Education 2014
- Applicants who do not meet items (1)-(3) requirement may be admitted to the program according curriculum to the Administrative Committee’s decision and approval.

- Applicants must have good English skill, be able to communicate, and have a good score from a Standard English Test, for example obtaining TOEFL score of at least 500 or IELTS of at least 5.0 or pass an English Test as approved by the Faculty Graduate Study Committee.

- Entrance by written and/or oral examinations are organized by the Curriculum Administrative Committee. The other conditions are in accordance with the regulations of the University regarding to Graduate Education2014.

Document Required

- TIPP Application Form: <http://tica.thaigov.net/main/en/relation/75500-TIPP-Application-form.html>

- Medical Report
- Transcript
- Recommendation Letter
- English Test

Contact:

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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.