

Course Detail

Master of Science Program in Health Sciences Research

Course Title: Master of Science Program in Health Sciences Research
(International Program)

Master's degree: Master of Science (Health Sciences Research)

Academic Institution: Research Institute for Health Sciences (RIHES),
Chiang Mai University

Duration: 2 years (June 2022 – May 2024)

Background and Rational:

In most situations, established knowledge alone is not enough to solve health problems in particular population. Timely and quality research have to be conducted so their results could be used to address the arisen local issues. Teams of qualified researchers are essential prerequisite for these efforts. However, it is generally affirmed that there is a shortage of qualified health science researchers in developing countries.

Graduate degree is necessary for a person to become an accomplished researcher. Nowadays, nearly all graduate programs in health sciences are topic based. Most programs focus on either population of interest or specific health issues. While these programs could produce experts on particular fields through the accompanying research, time and effort devoted to scientific aspects of research methodology and research management may be inadequate. To overcome this shortcoming, the proposed training/International Master's degree program will focus on developing knowledge and skills of the trainees on principles and practices of health sciences research.

The researchers of RIHES have conducted health sciences research for more than 50 years. Research at RIHES are of high quality and administered at the highest standards since most are under the international research networks and funded by the US government. The institute has taking part in several significant research projects which provided breakthrough scientific knowledge. It has been recognized as one of the eminent health sciences research institute in Asia. Throughout this long period of time, the institute has gained experiences on how to conduct high-quality health sciences research. Full range of research facilities and supportive system necessary are also accumulated. The trainees of this proposed program will be attached to the experienced researchers and have access to research facilities of the institute. The graduates of this program will be able to conduct high-quality health sciences research and better prepared to further pursue a doctoral degree if they wanted.

Objectives:

- To produce researchers and research staff who are reside and work in developing countries to be able to conduct quality health sciences research
- To produce quality health sciences research
- To produce publications in international journals

- To create research networks among researchers who work on health sciences research in developing countries
- To create reputation of Thai's academics and health sciences research capabilities

Course Synopsis and Methodology:

1. Study plan

The period of study is two years. Student must produce a thesis with a minimum of 12 credits, and take a minimum of 24 graduate courses credits (a minimum of 6 courses).

Year 1

1 st Semester		Credit	2 nd Semester		Credit
650701	Methods in Health Sciences Research	3	650705	Data Management and Analysis in Health Sciences Research	3
650702	Laboratory Techniques and Their Applications in Health Sciences Research	3	650706	Clinical Trial Research	3
650703	Ethics and Quality Assurance in Health Sciences Research	3	650736 650789	Advanced in Health Sciences Research Or Selected Topics in Health Sciences Knowledge Integration	3
650704	Proposal Development and Health Sciences Research Presentation	3	650791	Seminar in Health Sciences Research 1	-
650731 - 650735	Elective courses Select 1 courses from the following list: 1. Research in Technologies for Biomedical Research and Diagnostics 2. Research in Clinical Infectious Diseases 3. Research in Non-communicable Diseases and the Elderly 4. Research in Food and Nutrition 5. Research in Environmental and Occupational Health Sciences	3			

Year 2

3rd Semester		Credit	4th Semester		Credit
650792	Seminar in Health Sciences Research 2	-	650799	Master's Thesis	6
650799	Master's Thesis	6		Thesis defense	-
	Report study result	-		Report study result	
	Total	6		Total	6

2. Course Content

(1) Required courses

			Credits
650701	RIHES	Methods in Health Sciences Research 701	3
650702	RIHES	Laboratory Techniques and Their Applications 702 in Health Sciences Research	3
650703	RIHES	Ethics and Quality Assurance in Health Sciences 703 Research	3
650704	RIHES	Proposal Development and Health Sciences 704 Research Presentation	3
650705	RIHES	Data Management and Analysis in Health 705 Sciences Research	3
650706	RIHES	Clinical Trial Research 706	3

(2) Elective courses

650731	RIHES	Research in Technologies for Biomedical 731 Research and Diagnostics	3
650732	RIHES	Research in Clinical Infectious Diseases 732	3
650733	RIHES	Research in Non-communicable Diseases and 733 the Elderly	3
650734	RIHES	Research in Food and Nutrition 734	3
650735	RIHES	Research in Environmental and Occupational 735 Health Sciences	3
650736	RIHES	Advanced in Health Sciences Research 736	3
650789	RIHES	Selected Topics in Knowledge Integration 789 Health Sciences	3

(3) Thesis

650799	RIHES	Master's Thesis	12
	799		

(4) Non-credit Courses

650791	RIHES	Seminar in Health Sciences Research 1	1
	791		
650792	RIHES	Seminar in Health Sciences Research 2	1
	792		

3 Learning management during the concerned COVID-19 pandemic:

The program will be flexible to cope with the uncertainty of COVID-19 situations as well as changing regulations. All teachings can be switched from onsite to online if needed as the program has already been equipped with necessary IT appliances. RIHES staff who are health professionals can also be in control of any related incidents if it happens. These are to make sure that the trainees are safe while all academic goals are achieved.

Graduation Conditions:

1. Pass foreign language requirement.
2. Complete all requirements set by the program.
3. Archive an accumulated grade point average (GPA) of at least 3.00 for all courses taken, and a GPA of not less than 3.00 for the chosen course in the field of specialization.
4. Successfully pass thesis examination
5. At least 1 master's thesis work or a part of master's thesis work, in which the student is the first author, must be published or at least accepted to be published in a peer-reviewed international journal which is indexed in PubMed or Scopus database or the student publish at least 1 full paper in an international conference proceeding which is accepted by the field of study.
6. Meet the qualifications outlined in the Chiang Mai University Regulations on Student Honors, 2007.

Applicant Qualifications:

1. English Proficiency test

The applicant is required to submit official evidence of English-language proficiency test scores from one of these tests:

- CMU-eTEGs > 65
- IELTS > 5.5
- TOEFL-ITP > 523
- TOEFL-CBT > 193
- TOEFL-IBT > 69
- CU-TEP > 65%*
- TU-GET > 65%*
- KU-EPT > 65%*
- DynEd > 3.0 (CEFR = C1)
- CMU e-Grad > 65%

Remarks:

1. According to announcement of the institute, the score must be not less than the specified percentage from the total score.

2. An applicant who has a lower score criteria will be considered by the program admission/management committee.
3. Score of English-language proficiency test must not be later than 2 years at the date submitted to the Graduate School of Chiang Mai University and it can be used in all related activities until graduation.

2. Qualifications

The applicant must hold a Bachelor's degree in the field of Health Sciences or related science fields with a minimum grade point average (GPA) of 2.5. Other qualifications apart from those mentioned will be given according to the discretion of the program management committee.

Document Required:

1. Completed TIPP application form
(Download at:<http://www.tica.thaigov.net/main/en/relation/75500-TIPP-Application-form.html>)
2. Medical report
3. Transcript of Bachelor's degree
4. Certificate of Bachelor's degree
5. English test score
6. Recommendation Letter (At least 3 people)
7. Thesis proposal or other documents (As university request)
8. Copy of Passport
9. A Copy of the document certifying name or surname changing or document of marriage registration (if any)
10. Recent photograph (*passport size, ** no hat or sunglasses)

All forms are duly filled out and endorsed by the candidates' supervisor and the National Focal Point for International Development Cooperation. All of related documents must be in English.

Contacts:

1. Applicant will be able to choose an area of concentration from one of the following;
 - Food and Nutrition
Contact person: Dr. Sakaewan Ounjaijean (sakaewan.o@cmu.ac.th)
 - Clinical Infectious Diseases
Contact person: Dr. Natthapol Kosachunhanan, M.D. (natthapol.ko@cmu.ac.th)
 - Molecular and Cell biology
Contact person: Dr. Sayamon Hongjaisee (sayamon.ho@cmu.ac.th)
 - Non-communicable Diseases and the Elderly
Contact person: Dr. Kanokwan Kulprachakarn (kanokwan.kul@cmu.ac.th)
 - Environmental and Occupational Health Sciences
Contact person: Lect. Dr. Surat Hongsibsong (surat.hongsibsong@cmu.ac.th)
2. For further information on the graduate education and benefit of awardees, please contact:
 1. Name: Assoc. Prof. Dr. Kriengkrai Srithanaviboonchai, MD MPH
Title: Head of School of Health Sciences Research
Email: kriengkrai@rihes.org
 2. Name: Mrs. Nattaluck Buranasilapin
Title: Supporting staff (Academic activities, regulation and policies)
Email: nattaluck.b@cmu.ac.th

3. Name: Ms. Nichapa Tuikumpee
Title: Supporting staff (Other activities, visa, living and accommodation information)
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For more information:

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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.