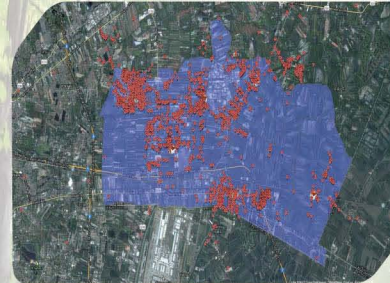


Introduction

The Bangkok School of Tropical Medicine offers the international Graduate Diploma in Biomedical and Health Informatics (BMHI) program every year. The program is taught in the English language and is open to students of all nationalities. It starts in the first week of January each year.

Philosophy

This interdisciplinary program trains graduates to apply information technology for the special needs of healthcare and public health. Biomedical informatics is concerned with issues right across the health spectrum, from the personal to the global, ranging from medical records for individual patients, to sharing data about disease outbreaks among government and international health organizations.



Objectives

Graduates from this program will be able to:

- 1) Apply skills and demonstrate knowledge of information systems in healthcare practices;
- 2) Create and implement strategy, and provide direction for public health informatics;
- 3) Uses informatics to integrate clinical health, environmental risk, and population health;
- 4) Ensure IT operations are managed effectively to support public health programs;
- 5) Take responsibility, and demonstrate qualities of integrity and self-sacrifice, for the welfare of the community.

Admission Requirements

Applicants must:

- 1) Hold an M.D., D.D.S., D.V.M., B. Pharmacy, B.N.S., or B.Sc. in biomedical science, public health, computer science, or information and communication technology – with a GPA of at least 2.00.
- 2) Have proficiency in English.

Note: Exceptions to these requirements may be made by the Program Committee and the Dean of the Faculty of Graduate Studies.

Duration of Study

6 months, from January-June each year.

Tuition Fees

International Student: 4,000 USD ;
Thai Students: 50,400 Baht

Scholarships

Six scholarships, supported by the Rockefeller Foundation, are provided to students. The scholarship includes tuition fees. For non-Thais, it also includes monthly living expenses and round-trip airfare. (Visit our website to find out more).

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FOUNDATION

Living Costs

The estimated cost of living in Thailand, including food and accommodation, is approximately 450-550 USD per month.

Program Content

Required Subjects = 14 credits
Elective Subjects = 10 credits
Total = 24 credits

Required subjects

TMHG 523: Principles and Foundations of Public Health Informatics
TMHG 524: Challenging Issues in Health Care and Public Health System
TMHG 525: Health Information System Design and Implementation
TMHG 526: Organizational Behavior and Management Skills
TMHG 527: Data Standards and Interoperability
TMHG 528: Disease Surveillance and Public Health Investigation
TMHG 529: Legal and Ethical Issues in Health Informatics

Elective subjects

TMHG 516: Geographical Information System (GIS)
TMHG 533: Practicum in Health Information System
TMHG 534: Data Mining and Machine Learning
TMHG 535: Mathematical and Economic Modeling
TMHG 537: Web-based Application Design
TMHG 541: Fundamentals of Health Care and Medical Terminology
TMHG 542: Essentials of Health Information Technology System

Passports and visas

All international students entering Thailand must possess valid passports. International students should apply for a Non-Immigrant (Educational) visa, which can be extended within Thailand. Contact the nearest Thai Embassy or Consulate for further information.

Accommodation


The Faculty of Tropical Medicine has convenient on-campus accommodation (65 rooms, single and double) in the Chalmr Phrakiat Building, adjacent to the lecture venue. The School can pre-book on- or off-campus accommodation for course participants.

Guest Lecturers from:

- University of Washington, USA.
- Oregon Health Science University, USA.
- Faculty of Medicine, Ramathibodi Hospital
- Ministry of Public Health, Thailand
- National Electronics and Computer Technology Center (NECTEC)
- National Health Security Office (NHSO)
- Health Systems Research Institute (HSRI)

How to Apply

Further details, plus application forms and guidelines, are available on our website. You can also visit our Facebook page.

 http://www.tm.mahidol.ac.th/eng/academic/aca_dbhi_overview.htm

 <http://www.facebook.com/TropicalMedicine.Mahidol>

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Mahidol University

Wisdom of the Land

Faculty of Tropical Medicine



Graduate Diploma in

Biomedical and Health Informatics



INTERNATIONAL PROGRAMS