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Master of Science Programme in Health Informatics (International Programme)

หลักสูตร วิทยาศาสตร์มหาบัณฑิต

สาขาวิชาสารสนเทศศาสตร์ทางสุขภาพ (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Public Health

Department of Biostatistics

คณะสาธารณสุขศาสตร์

ภาควิชาชีวสถิติ

Expected number of students to be accepted all year round : 4 Students

Admission Requirements

A candidates must:

1. hold a Bachelor's degree in Computer Science, Computer Engineering, Information Technology, Health Informatics, Mathematics, Statistics, Medicine, Dentistry, Pharmacy, Nursing, Medical Technology, Physical Therapy, Public Health, Health Science or related areas.
2. Receive a cumulative GPA of at least 2.50
3. have a TOEFL score of at least 480, TOEFL computer-based score of 157, TOEFL Internet-based score of 54, or IELTS score of 4.5 or pass the English Proficiency Examination arranged by the Faculty of Graduate Studies.

Those who do not have any of the test scores specified above will have to take the English Proficiency Examination of the Faculty of Graduate Studies on the specified examination day.

4. In case your qualification does not match to the admission criteria, candidates must prior attach A "Requesting Form for Examination" approved by the program director. The form must be submitted before making the application. Kindly download here:

http://www.grad.mahidol.ac.th/grad/admission/form_th.php

Exceptions from the above conditions may be granted by the Programme Committee and the Dean of Faculty of Graduate Studies;

Written Examination (Applicants must attend the examination date accurately to your admission round.)

<u>First Round</u> January 17, 2015		<u>Second Round</u> May 16, 2015	
Subjects for examination	Time	Subjects for examination	Time
1. English	8.30 - 11.30 a.m.	1. English	8.30 - 11.30 a.m.
2. General Knowledge	11.30 - 12.30 p.m.	2. General Knowledge	11.30 - 12.30 p.m.
3. Physiology	} 13.30 -15.30 p.m.	3. Physiology	} 13.30 -15.30 p.m.
4. Information Technology		4. Information Technology	
Examination Place Mahidol University , Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th or Announcement at Faculty of Graduate Studies branches.			

Curriculum Structure

	Credit
Plan A. Type A(2)	
Required courses	20
Elective courses no less than	6
Thesis	12
Plan B.	
Required courses	20
Elective courses no less than	12
Thematic paper	6

	Credit
Elementary Courses	
PHBS 551 Fundamentals of Computer and Informatics	2(1-2-3)
PHBS 552 Fundamentals of Medicine and Health	2(2-0-4)
Required Courses	
PHBS 602 Biostatistics B	3(3-0-6)
PHBS 640 Database System and Computer Networking in Health Informatics	3(2-2-5)
PHBS 641 Medical Informatics and Health Care System	3(2-2-5)
PHBS 642 Principle of Health Informatics	3(3-0-6)
PHBS 644 Research Design and Evaluation in Health Informatics	3(3-0-6)
PHBS 626 Medical Data Records, Standards, Data Coding and Classification Systems	3(2-2-5)
PHBS 681 Seminar in Health Informatics	2(2-0-4)
Elective Courses	
PHBS 643 Evidence Based Health Care System	3(3-0-6)
PHBS 645 Health Systems Simulation	3(2-2-5)
PHBS 646 Health care Interface Design	3(2-2-5)
PHBS 647 Data Mining and Knowledge Discovery	3(2-2-5)
PHBS 648 Knowledge Modeling in Health Informatics	3(3-0-6)
PHBS 649 Health Decision Support Systems	3(2-2-5)
PHBS 650 Health Information Technology	3(3-0-6)
PHBS 671 Management of Health Information System	3(3-0-6)
PHBS 672 Information Project Management	3(3-0-6)
PHBS 673 Health Information Systems Security	3(2-2-5)
PHBS 675 Legal Ethical Aspects of Health Informatics	3(3-0-6)
PHBS 676 Object-Oriented System Development in Health Informatics	3(2-2-5)
PHBS 677 Public Health Informatics	3(3-0-6)
PHBS 678 Information Systems for Health Care Delivery	3(3-0-6)
PHBS 685 Special Studies in Health Informatics	2(2-0-4)
PHBS 683 Data Communications and Computer Network Management	3(2-2-5)
PHBS 684 Client-Server Systems	3(2-2-5)

Thesis (For Plan A. Type A(2))		
PHBS 698	Thesis	12(0-48-0)
Thematic paper (For Plan B.)		
PHBS 660	Thematic paper	6(0-24-0)
* These may change in cases where there are suggestions for the improved of the curriculum		

Additional Advantages of the Programme

There are 2 study plans i.e. A(2) with 12 credits M.Sc. thesis and Plan B with 6 credits thematic paper. It is the students' choice to choose plan of study.

Details of Scholarship

- Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej.
- The M.Sc. Health Informatics programme provides 2 scholarships for partial tuition fee waiver up to 50 % of the credit registration fee.

Application Process

Application is only available via online application at www.grad.mahidol.ac.th

Required Documents

Prepare the following required documents to submit via online admission system or post :

- Two (2) recent photographs (1x1 inch in size)
- A copy of an applicant's degree certificate or a letter of graduation certification (for an applicant with a degree completion) 2 copies
- A letter certifying that an applicant is currently in the final year prior to graduation (for an applicant seeking for a degree) 2 copies
- A detailed transcript of a degree (for an applicant with a degree completion) 2 copies
- A grade report with course names and grades received from the first to the current semester prior to graduation 2 copies
- A copy of identification card 2 copies
- A copy of house registration certification 2 copies
- A copy of Certificate of English score: TOEFL/IELTS/MU-Test (if any). See detail here: http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553_th.php 2 copies
Those who early submit a valid English score prior to the examination will be exempt from English test on the examination date.
- A copy of proof of payment.

Submitting documents via online admission system.

- All documents must be in pdf format (maximum size 2 MB)
- Recent photograph must be in jpeg format only (maximum size 2 MB)

Job option after graduation

- Academic scientist / research associate in health informatics.
- Health information system analyst and developer.
- Health informatics system manager.

Further information may be obtained from the Director of Graduate Studies, Health Informatics:

1. Lect. Dr. Pichitpong Soontornpipit (E-mail : pichitpong.soo@mahidol.ac.th)

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Faculty of Public Health.

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2. Assoc. Prof. Piangchan Rojanavipart (E-mail : piangchan.roj@mahidol.ac.th)

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Program Coordinator

Miss Punnapar Rawanont (E-mail : punnapar.raw@mahidol.ac.th)

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Faculty of Public Health.

Tel: 0 2354 8530 Fax: 0 2354 8534

Notes

1. The programme of Health Informatics requires students to study the pre - requisite course:
 - PHBS 551 Fundamentals of Computer and Informatics 2 Credits
 - PHBS 552 Fundamentals of Medicine and Health 2 Credits
2. For more education information : **www.grad.mahidol.ac.th**

For more Information please contact The Student Admission Section.

Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : gradthai@mahidol.ac.th