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Master of Science Programme in Medical Microbiology (International Programme)

หลักสูตร วิทยาศาสตร์มหาบัณฑิต

สาขาวิชา จุลชีววิทยาการแพทย์ (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Medicine, Siriraj Hospital

Department of Microbiology

คณะแพทยศาสตร์ศิริราชพยาบาล

ภาควิชา จุลชีววิทยา

Expected number of students to be accepted year round : 15 Students

Admission Requirements

A candidate must:

1. hold or be pursuing a Bachelor's degree (in the final year) in Microbiology, Biology, Biochemistry, Botany, Genetics, Biotechnology, Medical Technology, Pharmacy, Dentistry, Veterinary Medicine, Public Health and Medicine or other related field from an institution recognized by Mahidol University;
2. have a grade point average of at least 2.50 or 75% (candidates with a lower GPA may be eligible with the permission of the Graduate Committee);
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.
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 with a score of at least 45.
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

Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

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. Biochemistry	} 1.30 - 3.30 p.m.	3. Biochemistry	} 1.30 - 3.30 p.m.
4. Microbiology		4. Microbiology	
<p>Examination Place Mahidol University , Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th or Announcement at Faculty of Graduate Studies branches.</p>			

Curriculum Structure

	Credits
Required Courses	13
Elective Courses no less than	11
Thesis	12

	Credits
Required Courses	
Select one course	
SIMI 512 Medical Bacteriology and Mycology	3(3-0-6)
SIMI 513 Medical Virology	2(2-0-4)
SIMI 616 Diagnostic Microbiology	3(1-6-5)
SIMI 617 Advanced Medical Bacteriology and Mycology	3(3-0-6)
SIMI 613 Advanced Medical Virology	3(3-0-6)
SIMI 687 Microbiology Seminar	2(2-0-4)
Elective courses	
SIID 501 Molecular and Cellular Basis of Biomedicine	3(2-2-5)
SIBC 504 Biochemistry	4(4-0-8)
SIIM 501 Immunology	2(2-0-4)
SIMI 611 Molecular Techniques in Medical Microbiology	3(2-3-5)
SIMI 615 Fundamental of Diagnostic Microbiology	1(1-0-2)
Thesis	
SIMI 698 Thesis	12(0-36-0)
* These may change in cases where there are suggestions for the improvement of the curriculum	

Additional advantages of the programme

1. Molecular technology research of Thailand's most concerned infectious diseases, emerging infectious diseases and antimicrobial resistance
2. Every graduate from the program are proficient to work in field of medical sciences and are in high demand in the job market.

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

1. Researcher
2. Lecturer
3. Project analyst, Project coordinator

Further information may be obtained from the Director/Secretary of Graduate Studies,

Medical Microbiology :

1. **Assoc. Prof. Dr. Pattarachai Kiratisin** (Email : pattarachai.kir@mahidol.ac.th)
Microbiology Building, Floor 5, Department of Microbiology, Faculty of Medicine, Siriraj Hospital
Tel: 0 2419 8035 Fax: 0 2418 4148
2. **Lect. Dr. Iyarit thaipisuttikul** (Email : iyarit.tha@mahidol.ac.th)
Microbiology Building, Floor 5, Department of Microbiology, Faculty of Medicine, Siriraj Hospital
Tel: 0 2419 8035 Fax: 0 2418 4148

- Notes**
1. The programme of Medical Microbiology requires students to study the pre - requisite course:
 - SIID 501 Molecular and Cellular Basis of Biomedicine 3(2-2-5) Credits
 2. For more education information : <http://www.grad.mahidol.ac.th>

For more Information please contact The Student Admissions Section.
Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : gradthai@mahidol.ac.th