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Master of Science Program in Pharmacology (International Program)

หลักสูตร วิทยาศาสตร์มหาบัณฑิต

สาขาวิชา เภสัชวิทยา (นานาชาติ) (ภาคปกติ)

Faculty of Medicine, Siriraj Hospital

Department of Pharmacology

คณะแพทยศาสตร์ศิริราชพยาบาล

ภาควิชา เภสัชวิทยา

Expected number of Students to be accepted year round : 6 Students

Admission Requirements**A candidate must:**

1. Students must hold a Bachelor degree or currently enrolled in the botany, biology, biochemistry, dentistry, medicine, pharmaceutical science or veterinary medicine
2. Student should receive a cumulative GPA of at least 2.70
3. Have a TOEFL score of at least 470, TOEFL computer-based score of 150, TOEFL Internet-based score of 52, 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.

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 - 4.30 p.m.	3. Biochemistry	} 1.30 - 4.30 p.m.
4. Physiology		4. Physiology	
5. Pharmacology		5. Pharmacology	
Examination Place Mahidol University , Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th or Announcement at Faculty of Graduate Studies branches.			

Curriculum Structure

	credit
Required Course	20
Elective Course	4
Thesis	12

	credit
Required Course	
GRID 603 Biostatistics	3(3-0-6)
SCID 500 Cell and Molecular Biology	3(3-0-6)
SIPM 502 Seminar in Pharmacology	2(2-0-4)
SIPM 503 General Medical Pharmacology	2(2-0-4)
SIPM 504 Systemic Medical Pharmacology	4(4-0-8)
SIPM 600 Advanced Pharmacology	3(3-0-6)
SIPM 602 Experiment Methods in Pharmacology	3(0-6-3)
Elective Course	
SIBC 504 Biochemistry	4(4-0-8)
SIBC 512 Biochemistry Laboratory	3(0-6-3)
SIIM 612 Diagnostic Immunology	3(2-2-5)
SIMI 611 Molecular Techniques in Medical Microbiology	3(2-2-5)
SIMI 614 Vaccine Development and Clinical Trials	2(2-0-4)
Thesis	
SIPM 698 Thesis	12(0-36-0)
* These May Change in Cases Where There are Suggestions for The Improvement of The Curriculum	

Areas of study that a student may select for concentration:

1. Clinical pharmacology
2. Immuno pharmacology
3. Anti-inflammatory pharmacology
4. Molecular Pharmacology
5. Safety/efficacy/identity of herbal components
6. Animal models in pharmacology

Details of Scholarships

1. The Siriraj Graduate Scholarships.
2. The Siriraj Graduate Thesis Scholarships.

Additional advantages of the programme

1. The research environment in the department provide an opportunity for graduate student to conduct corresponding basic and clinical research.
2. Student will be trained to understanding question physiology and pathologic condition of diseases.
3. The facilities of the Department of Pharmacology and the core facilities of the Faculty of Medicine provide state of the art research in students for biomedical science.
4. A recently implemented program in new drug development provides a huge resource of biomedicines with accompanying clinical training opportunity. This is a collaborating project with EU which will be the first program in Asean community.

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 Those who early submit a valid English score prior to the examination will be exempt from English test on the examination date. 2 copies
- 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.Scientist

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

1. Assoc.Prof.Dr. Uraiwan Panich (E-mail : uraiwan.pan@mahidol.ac.th)

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Program Coordinator

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Tel: 0 2419 8736 Fax: 0 2411 5026

- Notes**
1. The programme of Medical Biochemistry and Molecular Biology requires students to study the pre - requisite course:
 - SIID 501 Molecular and Cellular Basis of Biomedicine 3 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**