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Doctor of Philosophy Program in Pharmacology (International Program)

Faculty of Medicine, Siriraj Hospital

Department of Pharmacology

Admission Requirements

A candidate must:

1. Students must hold a Bachelor degree in Science, Dentistry, Medicine, Pharmaceutical science and Veterinary medicine, receive a cumulative GPA of at least 3.50 or
2. Student must hold a Master degree in Science, Pharmaceutical science, and Veterinary medicine, receive a cumulative GPA of at least 3.50
3. Have a TOEFL score of at least 500, TOEFL Internet-based score of 61, or IELTS score of 5

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

Curriculum Structure

	Credit
For students with Bachelor's degree	
Required Courses	20
Elective Courses	4
Thesis	48
For students with Master's degree	
Required Courses	6
Elective Courses	6
Thesis	36

Required Course	credit
(For students with Bachelor's degree)	
SIPM 503 General Medical Pharmacology	2(2-0-4)
SIPM 502 Seminar in 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)
SIPM 603 New Drug Development I	3(3-0-6)
SIPM 604 New Drug Development II	3(3-0-6)
(For students with Master's degree)	

SIPM 603 New Drug Development I	3(3-0-6)
SIPM 604 New Drug Development II	3(3-0-6)
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 699 Dissertation	48/36(0-144/108-0)
* These may be changed in case of curriculum revision	

Areas of study that a student may select for concentration:

1. Clinical pharmacology, Pharmacokinetics, Epidemiology pharmacology
2. Immuno pharmacology
3. Antiinflammatory 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.
5. The Ph.D. candidates will be trained to raise logical research questions and conduct matching approaches to their working hypothesis.

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:

1. Completed an Online Application at www.grad.mahidol.ac.th which comprised with
 - Form A** : Application Form
 - Form B** : Background and Proposed Field of Study
 - Form C** : Recommendation Forms (directly submitted by at least 2 referees)
2. Two copies of Degree Certificate (with officially certified English translation)
3. Two copies of Academic Transcript (with officially certified English translation)
4. Two copies of Recent Photos (Passport size)
5. Two copies of Passport
6. Two copies of English certificate (TOEFL/ IELTS/ MU-Grad Test)

(For Doctoral Program)

- TOEFL ITP score of at least 500, TOEFL Internet-based score of 61, or IELTS score of 5

(For Master's Program)

- TOEFL ITP score of at least 480, TOEFL Internet-based score of 54, IELTS score of 5 or MU GRAD TEST score of 60.

Notes

- Only accept TOEFL ITP score from examination center arranged by Faculty of Graduate Studies, Mahidol University.
 - TOEFL ITP taken from other domestic and overseas institutes are invalid.
 - The test date must be within previous 2 years before application date
 - Applicant who obtained a valid English score must submit an **official score certificate** along with your application. Otherwise, your English score will not be considered.
 - Detail of English Competency Standard for Admission:
<http://www.grad.mahidol.ac.th/en/current-students/language-center.php>
7. Two copies of Curriculum Vitae
 8. Two copies of Statement of Purposes and Career Goals
 9. Two copies of Current bank statement / Scholarship letter (if any)
 10. Two copies of Concept paper / research proposal (recommended for all applicants)
 11. Two copies of additional documents may be requested by each program (such as letter of work experience / professional license/ related certificates and awards)

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. Scientist
2. Researcher

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

Miss. Phattaraphorn Pumseenil (E-mail : phattaraphorn.pum@mahidol.ac.th)

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Fax: 0 2411 5026

- Notes** 1. The programme requires students to study following prerequisite 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 : gradinter@mahidol.ac.th**