

Admission Number

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Master of Science Programme in Pharmacology (International Programme)

หลักสูตร วิทยาศาสตร์มหาบัณฑิต

สาขาวิชา เภสัชวิทยา (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Science

Department of Pharmacology

คณะวิทยาศาสตร์

ภาควิชา เภสัชวิทยา

Expected number of students to be accepted all year round : 5 Students

Admission Requirements**A candidate must:**

1. hold a Bachelor's degree in any science discipline (e.g. biology, pharmacy, chemistry, veterinary) or the equivalent in medicine or one of the allied health sciences;
2. have a grade point average of at least 3.00;
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. For those who already hold a valid English score, please submit its certificate along with all application documents.

Curriculum Structure

	Credit
Required Courses	18
Elective Courses not less than	6
Thesis	12

	Credit
Required Courses	
SCPM 501 Experimental Methods in Pharmacology	1(0-2-1)
SCPM 502 Principles of Drug Action	2(2-0-4)
SCPM 507 Modern Pharmacology	3(3-0-6)
SCPM 508 Special Topics in Pharmacology	2(2-0-4)
SCPM 511 Molecular and Cell Science in Pharmacology	2(2-0-4)
SCPM 512 System Biological Basis for Pharmacology	2(2-0-4)
SCPM 611 Advanced Pharmacology	3(3-0-6)
SCPM 613 Research Rotation in Pharmacology	1(0-2-1)
SCPM 681 Seminar in Pharmacology	2(2-0-4)

Elective Courses

SCID 500	Cell and Molecular Biology	3(3-0-6)
SCID 502	Cell Science	2(2-0-4)
SCID 503	Systemic Bioscience	3(3-0-6)
SCID 506	Concept of Molecular Biosciences	2(2-0-4)
SCID 507	Microscopic Techniques	1(0-2-1)
SCID 508	Biomolecular and Spectroscopy Technique	1(0-2-1)
SCID 509	Separation Techniques	1(0-2-1)
SCID 510	Immunological Methods	1(0-2-1)
SCID 511	Gene Technology	1(0-2-1)
SCID 512	Receptor Binding and Enzyme Kinetic Assays	1(0-2-1)
SCID 513	Animal Cell Culture Techniques	1(0-2-1)
SCID 514	Animal Experimentation in Biomedical Research	1(0-2-1)
SCID 516	Biostatistics	3(3-0-6)
SCID 518	Generic Skills in Science Research	1(1-0-2)
SCPM 509	Immunopharmacology	1(1-0-2)
SCPM 510	Pharmacogenomics	1(1-0-2)
SCPM 601	Clinical Concepts in Pharmacology	2(2-0-4)

Thesis

SCPM 698	Thesis	12(0-48-0)
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* These may change in cases where there are suggestions for the improvement of the curriculum

Proposal / Concept Paper

Should be submitted research proposal (in English) at least 200-500 words.

Additional advantages of the programme

1. Research activities of Pharmacology programme cover a wide range of research interests, the new frontiers in modern pharmacological sciences, and both basic and applied pharmacology.
2. The Pharmacology programme produces scientists who possess a strong knowledge of pharmacology and who are ready to pursue in their career opportunities in academia, government or industry, or pursue their studies in higher degree programmes abroad.
3. Students will have opportunities to improve their English, scientific communication skills, both by writing research papers and by presenting their research data in national and international FORUMS.
4. There are many elective courses offered by the Pharmacology department.
5. Students who are selected to study in the programme are eligible for financial support in the form of assistantships (research or teaching assistant) and other kinds of scholarship.

Details of Scholarships

1. Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej.
2. Teaching Assistantships (TA).
3. Scholarship for International Graduate Students.
4. Institutional Strengthening Program.

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
- A copy of proof of payment.
- A short research proposal 2 copies

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)

Proposal / Concept Paper

Submit a short research interest in English (200 - 500 words) ส่งพร้อมกัน Required Documents

Job option after graduation

- Academic.
- Researcher working in the university, government and private sector.
- Pharmacological instructor working in the organization of public and private sector.

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

1. **Asst. Prof. Dr. Noppawan Phumala Morales** (E-mail : noppawan.phu@mahidol.ac.th)
Room B510 A, Biology Building, Floor 5, Department of Pharmacology, Faculty of Science.
Tel. : 0 2201 5507 Fax. : 0 2354 7157
2. **Asst. Prof. Dr. Warinkarn Hemstapat** (E-mail : warinkarn.hem@mahidol.ac.th)
Room Pr520, Preclinic Building, Floor 5, Department of Pharmacology, Faculty of Science.
Tel. : 0 2201 5647 Fax. : 0 2354 7157

Program Coordinator

Miss Suprapha Sriphrachan (E-mail : suprapha.sri@mahidol.ac.th)

Room Pr506, Preclinic Building, Floor 5, Department of Pharmacology, Faculty of Science.

Tel. : 0 2201 5641-2 Fax. : 0 2354 7157

Notes

1. For more education information : <http://www.grad.mahidol.ac.th>
2. The programme of Pharmacology requires students study the pre - requisite course:
 - SCID 500 Cell and Molecular Biology 3 Credits

**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**