Admission Number

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Master of Science Programme in Pharmaceutical Chemistry and Phytochemistry

(International Programme)

หลักสูตร วิทยาศาสตรมหาบัณฑิต สาขาวิชา เภสัชเคมีและพฤกษเคมี (หลักสูตรนานาชาติ)(ภาคปกติ)

Faculty of Pharmacy

คณะเภสัชศาสตร์

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

There are two major concentrations

- 1. Pharmaceutical Chemistry (แขนงเภสัชเคมี)
- 2. Phytochemistry (แขนงพฤกษเคมี)

Admission Requirements

A candidate must:

- 1. hold a degree or be studying in the last year of Bachelor's Degree in Heath Science or other related fields of study such as Chemistry, Microbiology, Biology, Biotechnology.
- 1. have a minimum grade point average of 2.75;
- 2. have a TOEFL score of at least 480, TOEFL computer-based score of 157, TOEFL Internetbased 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.

Written Examination (Pharmaceutical Chemistry)

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

Third Round May 31, 2014				
Subjects for examination	Time			
1. English	8.30 - 11.30 a.m.			
2. General Knowledge	11.30 - 12.30 p.m.			
3. Pharmaceutical Chemistry	1.30 - 4.30 p.m.			
Examination Place	,			

Mahidol University, Salaya, Nakhonpathom more details: www.grad.mahidol.ac.th or Announcement at Faculty of Graduate Studies branches.

Written Examination (Phytochemistry)

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

Third Round

May 31, 2014

Subjects for examination	Time
1. English	8.30 - 11.30 a.m.
2. General Knowledge	11.30 - 12.30 p.m.
3. Phytochemistry	1.30 - 4.30 p.m.

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 Courses	19
Elective Courses	6
Thesis	12

Credit					
Require	Required Courses				
PYPC	659	Instrumental Analysis Laboratory	3(1-6-4)		
PYPC	660	Organic Medicinal Chemistry	3(2-3-5)		
PYPG	669	Basis of Structure Elucidation	3(3-0-6)		
PYPC	667	Phytochemistry	3(3-0-6)		
PYPP	600	Seminar in Pharmaceutical Chemistry and Phytochemistry I	1(1-0-2)		
PYPP	601	Seminar in Pharmaceutical Chemistry and Phytochemistry II	1(1-0-2)		
PYID	685	Research Methodology in Pharmacy I	2(2-0-4)		
GRID	603	Biostatistics	3(3-0-6)		
Elective	e Course	es			
PYPC	639	Advanced Pharmaceutical analysis I	3(2-3-5)		
PYPC	640	Advanced Pharmaceutical Analysis II	3(2-3-5)		
PYPC	650	Reactions in Pharmaceutical Analysis	3(2-3-5)		
PYPC	651	Stability of Pharmaceuticals	3(2-3-5)		
PYPC	652	Chemistry of Heterocyclic Drugs	3(2-3-5)		
PYPC	656	Chemometrics in Pharmaceutical Chemistry	3(2-3-5)		

			Credit
PYPC	657	Drug Design I	3(2-3-5)
PYPC	658	Drug Design II	3(2-3-5)
PYPC	662	Advanced Organic Pharmaceutical Chemistry	3(2-3-5)
PYPC	663	Radiopharmaceutical Chemistry	3(3-0-6)
PYPG	651	Pharmaceutical Phytochemistry I	3(2-3-5)
PYPG	652	Pharmaceutical Phytochemistry II	3(2-3-5)
PYPG	657	Separation Technique	3(2-3-5)
PYPG	658	Biosynthesis of Natural Products	3(2-3-5)
PYPG	664	Nuclear Magnetic Resonance Spectroscopy	3(3-0-6)
PYPG	665	Phytopharmacy	2(2-0-4)
PYPG	670	Development of Medicinal Plants I	3(2-3-5)
PYPG	671	Development of Medicinal Plants II	3(2-3-5)
PYPG	668	Applications of Plant Biotechnology	3(3-0-6)
PYPB	601	Traditional Thai Medicine	3(3-0-6)
PYPB	604	Medical Ethnobotany	3(2-3-5)
PYPB	607	Development of Herbal Medicine	3(2-3-5)
PYPP	602	Special Problems in Pharmaceutical Chemistry and Phytochemistry	2(0-6-2)
PYID	695	Applied Plant Biotechnology in Pharmaceutical Sciences	3(2-3-5)
SCID	500	Cell and Molecular Biology	3(3-0-6)
Thesis			
PYID	698	Thesis .	12(0-36-0)
* These may change in cases where there are suggestions for the improvement of the curriculum			

Details of Scholarships

Scholarship of the 60th Year of the Supreme Reign of His Majesty King Bhumibol Adulyadej.

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 :

- Four (2) recent photographs (1x1 inch in size)
- A copy of an applicant's degree certificate or a letter of graduation certification 2 copies (for an applicant with a degree completion)
- A letter certifying that an applicant is currently in the last semester prior to graduation 2 copies (for an applicant seeking for a degree)
- 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 2 copies semester prior to graduation
- A copy of identification card 2 copies
- A copy of house registration certification 2 copies
- A copy of proof of payment.

Submitting documents via online admission system.

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

Job option after graduation

A researcher/academician in the fields of drug development, quality control of pharmaceutical product and natural material in public/private research institutions or drug and medical product company.

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

1. Assoc.Prof.Dr. Weena Jiratchariyakul (E-mail: headpypg@mahidol.ac.th)

Room 508, Rajaratana Building, Floor 5,

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Tel: 0 2644 8677-91 Ext: 5530,5531,5523 Fax: 0 2644 8701

Pharmaceuticals Chemistry:

1. Lect. Jutarat Pimthon (E-mail: jutarat.pim@mahidol.ac.th)

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Department of Pharmaceutical Chemistry, Faculty of Pharmacy.

Tel: 0 2644 8677-91 Ext: 5402 Fax: 0 2644 8695

Program Coordinator

Mr. Ithipol Ithiamnuaypan (E-mail: ithipol.ith@mahidol.ac.th)

Room 508, Rajaratana Building, Floor 5,

Department of Pharmacognosy, Faculty of Pharmacy.

Tel: 0 2644 8677-91 Ext: 5530-1 Fax: 0 2644 8701

Note 1. 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