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Doctor of Philosophy Programme in Phytopharmaceutical Science (International Programme )

หลักสูตร ปรัชญาดุษฎีบัณฑิต สาขาวิชา วิทยาการพฤษเภสัชภัณฑ์ (หลักสูตรนานาชาติ)(ภาคปกติ)

Faculty of Pharmacy

คณะเภสัชศาสตร์

Expected number of students to be accepted year round : 3 Students

### Admission Requirements

#### A candidate must:

1. A candidate must hold a bachelor's degree or studied in the last semester of bachelor's degree. This degree must be in the pharmaceutical sciences or related sciences from the appropriated institute approved by the Higher Education Accreditation Council. The minimum requirements include an undergraduate grade point average not less than 3.50 on a 4.00 scale.
2. For the candidate with master's degree in pharmaceutical sciences or related sciences, the minimum requirements include a graduate grade point average at least 3.50 on a 4.00 scale.
3. A candidate must pass a TOEFL score of at least 500, TOEFL computer-based score of 173, TOEFL Internet- based score of 61, or IELTS score of 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. Exemptions from the above conditions may be granted by the Doctoral Programme Committee and the Dean of the Faculty of Graduate Studies.

### Curriculum Structure

#### Plan 2

#### Credit

#### For students with Bachelor's degree

Required Courses	18
Elective Courses	9
Thesis	48

#### For students with Master's degree

Required Courses	9
Elective Courses	3
Thesis	36

**Credit****Required Courses****For students with Bachelor's degree**

PYPH 676 Seminar in Phytopharmaceutical Sciences I	1(1-0-2)
PYPH 677 Seminar in Phytopharmaceutical Sciences II	1(1-0-2)
PYID 685 Research Methodology in Pharmacy I	2(2-0-4)
PYID 688 Holistic Approach to Health Care	2(2-0-4)
PYID 690 Phytopharmaceutical Analysis	3(1-6-4)
PYID 691 Technology of Phytopharmaceutical Production	3(2-3-5)
PYPG 651 Pharmaceutical Phytochemistry I	3(2-3-5)
PYPB 605 Taxonomy of Medicinal Plants	3(2-3-5)

**For students with Master's degree**

PYPH 677 Seminar in Phytopharmaceutical Sciences II	1(1-0-2)
PYID 688 Holistic Approach to Health Care	2(2-0-4)
PYID 690 Phytopharmaceutical Analysis	3(1-6-4)
PYID 691 Technology of Phytopharmaceutical Production	3(2-3-5)

**Elective Courses**

PYID 689 Phytomedicine	3(3-0-6)
PYID 692 Biological Activity Screening	3(2-3-5)
PYID 693 Phytocosmeceuticals	3(2-3-5)
PYID 694 Nutraceuticals	3(3-0-6)
PYID 695 Applied Plant Biotechnology in Pharmaceutical Sciences	3(2-3-5)
PYMI 692 Microbiological Quality Assessment and Control	3(2-3-5)
PYPC 650 Reaction in Pharmaceutical Analysis	3(2-3-5)
PYPC 651 Stability of Pharmaceuticals	3(2-3-5)
PYPG 670 Development of Medicinal Plants I	3(2-3-5)
PYPG 671 Development of Medicinal Plants II	3(2-3-5)
PYPG 655 Chemistry of Natural Products	3(3-0-6)
PYPG 656 Structure Elucidation	3(3-0-6)
PYPG 664 Nuclear Magnetic Resonance Spectroscopy	3(3-0-6)
PYPB 601 Traditional Thai Medicine	3(3-0-6)
PYPM 664 Essentials in Toxicology	3(2-3-5)

**Dissertation**

PYPH 699 Dissertation	48/36(0-144/108-0)
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\* These may change in cases where there are suggestions for the improvement of the curriculum

### **Additional information for applicants**

The course will start in Semester 2, Academic Year 2013 on 4 November 2013.

(For more information please contact 02-345-3747)

### **Additional advantages of the programme**

Development of phytopharmaceutical products from Thai medicinal plants as medicine, cosmetics or health food in Health Care and Spa business, Improvement of Thai traditional medicine.

### **Details of Scholarships**

Scholarship of the 60<sup>th</sup> Year Supreme Reign of His Majesty King Bhumibol Adulyadej

### **Application Process**

Application is only available via online application at [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th)

### **Proposal / Concept Paper**

A candidate who passes the written examination must submit an abstract of a concept paper 1 week before the interview examination day. (e-mail :[pysks@mahidol.ac.th](mailto:pysks@mahidol.ac.th)).. On the day of interview examination, the candidate should present a powerpoint about the concept paper to the interview committee within 30 minutes. The interview committee will ask questions about the paper and related materials.

### **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 pdf format (maximum size 2 MB)
- Recent photograph must be in jpeg format only (maximum size 2 MB)

### **Job option after graduation**

1. Researchers in phytopharmaceutical science.
2. Professional scholars in phytopharmaceutical science.
3. Expert Consultants in phytopharmaceutical science

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

**Phytopharmaceutical Sciences :**

1. **Asst. Prof.Dr. Nongluck Ruangwises (E-mail : [nongluck.rua@mahidol.ac.th](mailto:nongluck.rua@mahidol.ac.th))**

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2. **Assoc. Prof.Dr. Penchom Peungvicha (E-mail : [penchom.peu@mahidol.ac.th](mailto:penchom.peu@mahidol.ac.th))**

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### **Program Coordinator**

**Mrs. Supaporn Laohaprasertsit (E-mail : [supaporn.lao@mahidol.ac.th](mailto:supaporn.lao@mahidol.ac.th))**

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**Note** 1. For more education information : [www.grad.mahidol.ac.th](http://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](mailto:gradthai@mahidol.ac.th)**