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Doctor of Philosophy Programme in Tropical Medicine (International Programme)

หลักสูตร ปรัชญาดุษฎีบัณฑิต

สาขาวิชา อายุรศาสตร์เขตร้อน (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Tropical Medicine

คณะเวชศาสตร์เขตร้อน

Expected number of Students to be accepted all year round : 30 Students

**Admission Requirements**

A candidate must:

**Plan 1**

1. Must hold Master of Science (M.Sc.) in Tropical Medicine or related field of Tropical Medicine a GPA of no less than 3.50 or
2. Must have experience in conducting research of tropical medicine which at least 2 research publications and must be the first author and corresponding of one in a recognized international journals in addition to the instructor's own graduate master degree studies.
3. have 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.
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](http://www.grad.mahidol.ac.th/grad/admission/form_th.php)

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

**Plan 2**

**For students with Master's degree**

1. Must hold Master of Science (M.Sc.) in Tropical Medicine or related field of Tropical Medicine, a GPA of no less than 3.50
2. have 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.
3. 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:  
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Exemptions from the above conditions may be granted by the Programme Committee under exceptional circumstances.

**For students with Bachelor's degree**

1. Must hold Bachelor of Science or currently studying in the final year of Bachelor's program or equivalent, a GPA with second degree honors or equivalent
2. Studying Master of Science (M.Sc.) in Tropical Medicine and take required subjects with a GPA of no less than 3.50 within two regular semesters and have been accepted for admission through Program Committee Member
3. have 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.
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](http://www.grad.mahidol.ac.th/grad/admission/form_th.php)

Exemptions 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.

**Examination Place**  
Mahidol University , Salaya , Nakhonpathom more details : [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th) or Announcement at Faculty of Graduate Studies branches.

### Curriculum Structure

	Credit
<b>Plan 1</b>	
<b>For students with Master's degree</b>	
Dissertation	48
<b>Plan 2</b>	
<b>For students with Master's degree</b>	
Required Courses	8
Elective Courses not less than	4
Dissertation	36
<b>For students with Bachelor's degree</b>	
Core Courses	8
Required Courses	12
Elective Courses not less than	10
Dissertation	48

	Credit
<b>For students with Master's degree</b>	
<b>Required Courses</b>	
TMID 603 Food- and Water-borne Diseases in the Tropics	3(3-0-6)
TMID 604 Blood- and Vector- borne Diseases in the Tropics	3(3-0-6)
TMID 605 Seminar in Tropical Biomedicine	2(2-0-4)
<b>For students with Bachelor's degree</b>	
<b>Core Courses</b>	
TMID 534 Cellular and Molecular Biology of Tropical Diseases	2(2-0-4)
TMID 545 Etiologic Pathogens and Vectors of Tropical Diseases	3(2-2-5)
TMID 536 Host and Environmental Aspects of Tropical Diseases	2(2-0-4)
TMID 548 Epidemiological Concepts in Tropical Medicine	1(1-0-2)

**Required Courses**

TMID	603	Food- and Water-borne Diseases in the Tropics	3(3-0-6)
TMID	604	Blood- and Vector- borne Diseases in the Tropics	3(3-0-6)
TMID	605	Seminar in Tropical Biomedicine	2(2-0-4)
TMID	513	Biostatistics	2(2-0-4)
TMID	544	Research Methodology	2(2-0-4)

**Elective Course**

TMCD	510	Parasitic Diseases	2(2-0-4)
TMCD	511	Non-parasitic Diseases	2(2-0-4)
TMCD	512	Clinical Laboratory Methods for Research	2(2-0-4)
TMCD	513	Principles of Clinical Research	2(1-2-3)
TMCD	514	Clinical Tropical Pharmacology	2(2-0-4)
TMCD	515	Clinical Pharmacokinetics I	2(2-0-4)
TMCD	516	Clinical Pharmacokinetics II	2(1-2-3)
TMCD	517	Evaluation of Clinical Pharmacological Research	2(1-2-3)
TMHG	520	Advanced Epidemiology	2(2-0-4)
TMHG	521	Intermediate Biostatistics	2(1-2-3)
TMHG	522	Advanced Data Analysis in Epidemiology	2(1-2-3)
TMSE	503	Social Epidemiology	2(2-0-4)
TMMI	510	Medical Microbiology	2(2-0-4)
TMMI	511	Immunology I	2(2-0-4)
TMMI	512	Immunology II	2(2-0-4)
TMMI	513	Advanced Microbiology	2(2-0-4)
TMMI	515	Practical Microbiology	2(0-4-2)
TMMI	516	Practical Immunology	2(0-4-2)
TMNU	506	Nutrition	2(2-0-4)
TMNU	516	Nutritional Laboratory	2(1-2-3)
TMNU	510	Biochemistry	2(2-0-4)
TMNU	517	Advanced Biochemistry and Nutrition	2(2-0-4)
TMPT	502	Microscopic Anatomy	2(1-2-3)
TMPT	503	Physiology	2(2-0-4)
TMPT	504	Pathology	2(1-2-3)
TMPT	505	Pathology of Tropical Diseases	2(1-2-3)
TMSE	501	Social Science Research Methodology	2(2-0-4)
TMSE	502	Applied Social Sciences in Tropical Medicine	2(2-0-4)
TMSE	504	Current Problems in Medical Social Sciences	2(2-0-4)
TMSE	508	Environmental Epidemiology	2(2-0-4)
TMSE	523	Environmental Health Impact Assessment	2(1-2-3)
TMSE	524	Principles of Environmental Health and Toxicology	2(2-0-4)
TMSE	525	Health Risk Assessment	2(2-0-4)
TMEN	513	Medical Entomology	2(1-2-3)
TMHM	505	Medical Helminthology	2(1-2-3)
TMID	516	Practical Parasitology	2(1-2-3)

TMPZ	503	Medical Protozoology	2(1-2-3)
TMMO	501	Molecular Biology and Genetics	2(2-0-4)
TMMO	502	Advances in Molecular Tropical Medicine and Genetics	2(2-0-4)
TMMO	503	Bioinformatics for Molecular Tropical Medicine and Genetics	2(1-2-3)
TMMO	504	Laboratory Molecular Techniques for Tropical Medicine and Genetics	2(0-4-2)
TMSE	529	Principle of Environmental Biotechnology	2(2-0-4)
TMSE	530	Methods in Environmental Biotechnology Study	2(0-4-2)
TMSE	531	Applied Biotechnology	2(2-0-4)
TMSE	533	Advanced Biotechnology for Biological Product Development - and Tropical Disease Control	2(2-0-4)

**หัวข้อพิเศษ สำหรับผู้สำเร็จปริญญาตรี และสำเร็จปริญญาโท** ต้องเรียนวิชาหัวข้อพิเศษอย่างน้อย ๔ หน่วยกิต

TMCD	601	Special Topics in Clinical Tropical Medicine	2(1-2-3)
TMEN	601	Special Topics in Medical Entomology	2(2-0-4)
TMHG	601	Special Topics in Epidemiology and Control of Communicable Diseases	2(2-0-4)
TMHG	602	Special Topics in Tropical Hygiene	2(2-0-4)
TMHM	601	Special Topics in Helminthology	2(2-0-4)
TMID	601	Special Topics in Haematology	2(2-0-4)
TMID	602	Special Topics in Parasitology and Medical Entomology	2(1-2-3)
TMSE	611	Special Topics in Social Medicine	2(2-0-4)
TMSE	604	Research Proposal Preparation	2(1-2-3)
TMSE	605	Special Topics in Environmental Epidemiology	2(2-0-4)
TMSE	607	Advanced Risk Assessment in Environmental Health and Toxicology	2(2-0-4)
TMSE	608	Seminar on Environmental Health and Toxicology	2(2-0-4)
TMSE	609	Special Topic in Environmental Biotechnology	2(2-0-4)
TMSE	610	Seminar on Environmental Biotechnology	2(2-0-4)
TMMI	601	Special Topics in Microbiology and Immunology	2(2-0-4)
TMMI	602	Special Topics in Molecular Biology of Tropical Infections/Diseases	2(2-0-4)
TMMI	603	Special Topics in Immunoparasitology	2(2-0-4)
TMNU	603	Special Topics in Nutritional Epidemiology	2(2-0-4)
TMNU	605	Special Topics in Biochemical Nutrition	2(2-0-4)
TMPT	601	Special Topics in Pathology	2(2-0-4)
TMPZ	602	Special Topics in Medical Protozoology	2(2-0-4)
TMTP	601	Special Topics in Tropical Paediatrics	2(2-0-4)
TMMO	601	Special Topics in Molecular Tropical Medicine I	2(2-0-4)
TMMO	602	Special Topics in Molecular Tropical Medicine II	2(2-0-4)

**Plan 1**

**For students with Master's degree**

TMID	898	Dissertation	48(0-144-0)
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**Plan 2**

**For students with Master's degree**

TMID	699	Dissertation	36(0-108-0)
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## For students with Bachelor's degree

TMID 799 Dissertation

48(0-144-0)

\* These May Change in Cases Where There are Suggestions for The Improvement The Curriculum

### Additional advantages of the programme

English is the language of instruction and learning in Faculty of Tropical Medicine programmes and research

### Application Process

Application is only available via online application at [www.grad.mahidol.ac.th](http://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](http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553_th.php) 2 copies
- Those who early submit a valid English score prior to the examination will be exempt from English test on the examination date.
- 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

- A tropical Medicine specialist
- Researcher, Scientist, Public health Technical Officer
- Medical Scientists who have and advanced skill and ability in Tropical diseases of research institute/government and private.

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

1. **Assoc. Prof. Waranya Wongwit** (E-mail : [waranya.won@mahidol.ac.th](mailto:waranya.won@mahidol.ac.th))  
Tranakchit Building, Floor 8, Department of Social and Environmental Medicine,  
Faculty of Tropical Medicine.  
Tel: 0 2306 9130 Fax: 0 2354 9150
2. **Asst. Prof. Pornsawan Leungwutiwong** (E-mail : [pornsawan.lea@mahidol.ac.th](mailto:pornsawan.lea@mahidol.ac.th))  
Chamlong Harinasuta Building, Floor 9, Department of Microbiology and Immunology,  
Faculty of Tropical Medicine.  
Tel: 0 2306 9130 Fax: 0 2354 9150

**Program Coordinator**

**Mrs.Chiraporn Praevamit (E-mail : [chiraporn.pra@mahidol.ac.th](mailto:chiraporn.pra@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)**