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**Doctor of Philosophy Program in Public Health Microbiology (International Program)**

หลักสูตร ปรัชญาดุษฎีบัณฑิต

สาขาวิชา จุลชีววิทยาสาธารณสุข (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Public Health

คณะสาธารณสุขศาสตร์

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

**Admission Requirements**

Candidates in the doctoral program in Public Health Microbiology must have the following qualifications:

1. Hold a Bachelor's degree of Science in Public Health, Microbiology, Biology, Nursing Science, Medical Technology, Pharmacology, Agriculture, or related to Biology or Health Science, or Bachelor's degree of Public Health, Nurse, or Doctor of Medicine, Dentistry, and Veterinary Medicine with grade point average not less than 3.5.
2. Hold a Master's degree of Science in Public Health, or other Master's degrees of Science, or other Master's degrees that are related to Biology or Health Science with grade point average not less than 3.5 or
3. Study in Infectious Diseases and Epidemiology Program (Microbiology) and would like to pursue further in this program, they must have taken at least 2/3 of total credits in required courses with average grade points not less than 3.5 and an approval of Administration Program Committee of Infectious Diseases and Epidemiology (M.Sc. in Public Health), Public Health Microbiology (Ph.D.), and the Dean of the Faculty of Graduate Studies
4. Submit a certificate of English proficiency with minimum admission score:
  - IELTS - at least 3 or
  - TOEFL INTERNET BASED - at least 32 or
  - TOEFL ITP (test arranged by Faculty of Graduate Study, Mahidol University) - at least 400

**Important Notes:**

- English proficiency score must be taken within 2 years up to the admission date.
  - Application without submitting a valid English certificate will NOT be considered.
  - MU English Competence Standards: [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th)
  - MU English proficiency tests, please contact the Language Center, Faculty of Graduate Studies. Tel. 0-2441-4125 ext. 221-222
5. Exemption 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)

Subjects for examination	Time (Morning session)
1. Microbiology 2. Public Health	} 9.00 - 11.00 a.m.
<b>Examination Place</b> Mahidol University , Salaya , Nakhonpathom more details : <a href="http://www.grad.mahidol.ac.th">www.grad.mahidol.ac.th</a>	

### Curriculum Structure

	Credit
<b>For students with Master's Degree</b>	
Required courses	9
Elective courses	3
Dissertation	36
<b>For students with Bachelor Degree</b>	
Required courses	9
Elective courses	15
Dissertation	48

	Credit
<b>Required courses</b>	
PHMI 624 Advanced Public health Microbiology	3(3-0-6)
PHMI 631 Advanced Research Seminar in Public Health Microbiology	2(2-0-4)
PHMI 633 Special Topics in Public Health Microbiology	2(2-0-4)
PHMI 637 Microbiological Risk Assessment and Management	2(2-0-4)
<b>Elective courses</b>	
PHMI 634 Advanced Food Microbiology in Public health	3(3-0-6)
PHMI 635 Biosafety and Bioethics	2(2-0-4)
PHMI 636 Microbial Transformation of Organic Compounds	2(2-0-4)
<b>Dissertation</b>	
PHMI 699 Dissertation	48/36(0-144/108)
* These may change in cases where there are suggestions for the improvement of the curriculum	

### **Additional advantages of the program**

- The program of public health microbiology provides not only deep but also wide knowledge regarding controlling and solving problems of micro-organisms and the environment systematically.

Students will be able to use biological technology in the community. They will be able to create innovations and research in microbiological public health to develop human beings' quality of life. Moreover, students will learn useful communication and information technology skills. Their leadership and teamwork will be improved. Finally, they will do ethical work and research.

### **Proposal / Concept Paper**

Topic of research to be conducted for graduation

### **Details of Scholarships**

- Grants are available, please contact E-mail : [chakrit.hir@mahidol.ac.th](mailto:chakrit.hir@mahidol.ac.th).

### **Job option after graduation**

- To work in government or private sectors of national or international organizations.
- To work as an expert, researcher, or a lecturer in a university or in other institutes such as the Ministry of Public Health, the Ministry of Science and Technology, the Ministry of Agriculture and Cooperatives, the Ministry of Industry, the Ministry of Interior, Bangkok Metropolitan Administration, Institute of Nutrition, food factory, cosmetic factory, wastewater treatment factory, WHO, UNICEF, FAO, and etc.

### **Application Process**

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

### **Required Documents**

Applicants must upload all documents via online admission system. All documents must be in PDF format (maximum size 2 MB). Photograph must be in JPEG format.

- Recent photograph (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)
- A letter certifying that an applicant is currently in the final year prior to graduation (for an applicant seeking for a degree)
- A detailed transcript of a degree (for an applicant with a degree completion)
- A grade report with course names and grades received from the first to the current semester prior to graduation
- A copy of identification card
- A copy of house registration certification
- A copy of Certificate of English proficiency : IELTS / TOEFL INTERNET BASED / TOEFL ITP
- A copy of proof of payment.

Further information may be obtained from the Director of Graduate Studies, Public Health Microbiology.

1. **Associate Professor Dr. Chakrit Hirunpetcharat** (E-mail : [chakrit.hir@mahidol.ac.th](mailto:chakrit.hir@mahidol.ac.th))

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**Program Coordinator**

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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. (66)2 441 4125 ext. 208-210, (66)2 441 9129, E-mail: [gradthai@mahidol.ac.th](mailto:gradthai@mahidol.ac.th)