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Doctor of Philosophy Programme in Oral Biology (International Programme)

หลักสูตร ปรัชญาดุษฎีบัณฑิต

สาขาวิชา ชีววิทยาช่องปาก (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Dentistry

คณะทันตแพทยศาสตร์

Expected number of Students to be accepted year round : 10 Students

Admission Requirements

1. Applicant for plan 1

Applicant must:

- 1.1. Graduated in Master's Degree program in Health Science, Bioscience or other related fields from institutes accredited by the Commission of Higher Education with GPA not less than 3.50 or
- 1.2. Graduated in Bachelor's Degree program in Dentistry, Medicine, Veterinary, Health Science, Bioscience or other related fields from institutes accredited by the Commission of Higher Education with GPA not less than 3.25 and have published publication at least 1 paper in accredited international journals, Those publications must not be a partial - fulfillment of graduation.
- 1.3. have working experience as a university lecturer
- 1.4. 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.

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

2. Applicant for plan 2

Applicant must:

- 2.1 Graduated/ be studying in the final semester of Master's degree program in Health Science, Bioscience or other related fields from institutes accredited by the Commission of Higher Education with GPA not less than 3.50 or
- 2.2 Graduated/ be studying in the final semester of Bachelor's degree program Dentistry, Medicine, Veterinary, Health Science, Bioscience or other related fields from institutes accredited by the Commission of Higher Education with GPA not less than 3.50
- 2.3 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.

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

Curriculum Structure

	Credit
Plan 1	
Plan 1.1	
<i>For students with Master's degree to the Doctoral degree level</i>	
Dissertation	48
<i>For students with Bachelor's degree to the Doctoral degree level</i>	
Dissertation	72

Plan 2**Plan 2.1***For students with Master's degree to the Doctoral degree level*

Required Courses	7
Elective courses no than less	5
Dissertation	36

Plan 2.2*For students with Bachelor's degree to the Doctoral degree level*

Required Courses	22
Elective courses no than less	2
Dissertation	48

Credit**Required Courses***For students with Bachelor's degree to the Doctoral degree level 22 credit*

SCID 500 Cell and Molecular Biology	3(3-0-6)
GRID 603 Biostatistics	3(3-0-6)
DTID 514 Research Methodology	2(2-0-4)
DTID 515 Oral Biology I	2(2-0-4)
DTID 516 Oral Biology II	1(1-0-2)
DTOB 618 Special Topics Seminar in Oral Biology	1(1-0-2)
DTOB 619 Connective and Mineralized Tissues	3(3-0-6)
DTOB 620 Oral Biology Seminar I	1(1-0-2)
DTOB 621 Oral Biology Seminar II	1(1-0-2)
DTOB 622 Oral Biology Seminar III	1(1-0-2)
DTOB 623 Oral Biology Seminar IV	1(1-0-2)
DTOB 624 Laboratory Techniques for Oral Biology Research	2(1-3-3)
DTOB 625 Molecular Biology in Dentistry	1(1-0-2)
DTOB 618 Special topics seminar in Oral Biology	1(1-0-2)
DTOB 619 Connective and Mineralized Tissues	3(3-0-6)
DTOB 622 Oral Biology Seminar III	1(1-0-2)
DTOB 623 Oral Biology Seminar IV	1(1-0-2)
DTOB 625 Molecular Biology in Dentistry	1(1-0-2)

Elective courses

For students with Master's degree to the Doctoral degree level no than less 5 credit

For students with Bachelor's degree to the Doctoral degree level no than less 2 credit

DTAN 601 Applied Anatomy of Head and Neck	1(1-0-2)
DTAN 612 Ultrastructure of Cells and Oral Tissues	2(2-0-4)
DTBC 611 Oral Biochemistry	2(2-0-4)
DTMI 610 Microbiological Methods in Dentistry	2(0-6-2)
DTMI 612 Advanced Oral Microbiology and Immunology	2(1-3-3)
DTPA 611 Oral Pathology	2(2-0-4)
DTPM 613 Clinical Pharmacology in Dentistry	2(2-0-4)
DTPM 614 Applied Pharmacokinetics and Pharmacodynamic	2(2-0-4)
DTPM 615 Applied Toxicology in Dental Practice	1(1-0-2)
DTPM 616 Drug Administration in Patients of Systemic Disease	1(1-0-2)

Dissertation

Plan 1

Plan 1.1

For students with Master's degree to the Doctoral degree level

DTOB 898 Dissertation 48(0-144-0)

Plan 1.2

For students with Bachelor's degree to the Doctoral degree level

DTOB 899 Dissertation 72(0-216-0)

Plan 2

Plan 2.1

For students with Master's degree to the Doctoral degree level

DTOB 699 Dissertation 36(0-108-0)

Plan 2.2

For students with Bachelor's degree to the Doctoral degree level

DTOB 799 Dissertation 48(0-144-0)

* These may change in cases where there are suggestions for the improvement of the curriculum

Concept Paper Presentation

- Describe field of interest and potential research topic of interest.
- Describe how this study will benefit to their career.

Areas of research that a student can select for his / her research Thesis / Dissertation

1. Oral Toxicology and Carcinogenesis
2. Orofacial and Dental Pain
3. Pathogenesis of Periodontal Diseases
4. Tracing Neuronal Connection

Additional advantages of the programme

Integrated Clinical training and Ph.D. programme were also available.

Details of Scholarships

1. Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej.
2. Royal Golden Jubilee Ph.D. Scholarships (RGJ).

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 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 semester prior to graduation 2 copies
- 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)

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

1. **Assoc. Prof. Dr. Rudee Surarit** (E-mail : rudee.sur@mahidol.ac.th)
Learning & Recreation Building , Floor 3,
Department of Physiology and Biochemistry, Faculty of Dentistry.
Tel : 0 2200 7849
2. **Assoc. Prof. Dr. Ratchapin Srisatjarak** (E-mail : ratchapin.sri@mahidol.ac.th)
Building 4, Floor 8, Department of Microbiology, Faculty of Dentistry.
Tel : 0 2200 7805

Program Coordinator

Mrs. Kanjana Laorod (E-mail : grkdr@mahidol.ac.th)
Chalemprakiert Building , Floor 7, Faculty of Dentistry.
Tel : 0 2200 7642 Fax : 0 2200 7637

- Notes**
1. The programme of Oral Biology requires students to study the pre - requisite course:
- SCID 500 Cell and Molecular Biology 3 Credits
 2. 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