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Doctor of Philosophy Programme in Exercise Science (International Programme)

หลักสูตร ปรัชญาดุษฎีบัณฑิต

สาขาวิชา วิทยาศาสตร์การออกกำลังกาย (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Science

Department of Physiology

คณะวิทยาศาสตร์

ภาควิชา สรีรวิทยา

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

Admission Requirements

A candidate must:

1. hold a Bachelor' s degree in all fields of Science, and Medical Science such as Physical Therapy, Medical Technology, Nursing, Medicine, Veterinary Medicine/Veterinary Science, Dentistry and Physical Education with GPA no less than 3.25, or
2. hold a Master' s degree in all fields of Science or other related fields with GPA no less than 3.25, or
3. be students in Master program who intend to change the student status to a doctoral student provided that they have already taken and passed course work at the Master's degree level no less than two third (2/3) of the number of credits in required courses and have received a GPA of no less than 3.50 with approvals from Master program committee and Doctoral program committee as well as the Dean of the Faculty of Graduate Studies.
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.

5. 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

Exceptions from the above requirements may be made by the Programme Committee and the Dean of Faculty of Graduate Studies.

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 or Announcement at Faculty of Graduate Studies branches.			

Curriculum Structure

Plan 2	Credit
For students with Bachelor's degree	
Required courses	21
Elective courses at least	3
Dissertation	48
For students with Master's degree	
Required courses	8
Elective courses at least	4
Dissertation	36

	Credit
Required Courses	
For students with Bachelor's degree	
GRID 603 Biostatistics	3(3-0-6)
SCID 502 Cell Science	2(2-0-4)
SCPS 631 Systems Physiology	4(3-2-7)
SCPS 636 Seminar in Exercise Science I	1(1-0-2)
SCPS 637 Seminar in Exercise Science II	1(1-0-2)
SCPS 638 Exercise Genomics	3(3-0-6)
SCPS 664 Advanced Exercise Physiology	3(3-0-6)
SCPS 661 Physical Fitness Testing and Exercise Prescription	3(2-2-5)
SCID 518 Generic Skills in Science Research	1(1-0-2)

For students with Master's degree

SCPS 636 Seminar in Exercise Science I	1(1-0-2)
SCPS 637 Seminar in Exercise Science II	1(1-0-2)
SCPS 638 Exercise Genomics	3(3-0-6)
SCPS 661 Physical Fitness Testing and Exercise Prescription	3(2-2-5)

lective Courses

SCID 500 Cell and Molecular Biology	3(3-0-6)
PTPT 625 Sports Biomechanics and Clinical Application	3(2-2-5)
RANU 601 Nutritional Sciences	3(3-0-6)
SCID 506 Concepts in Molecular Bioscience	2(2-0-4)
SCID 511 Gene Technology	1(0-2-1)
SCID 512 Receptor Binding and Enzyme Kinetic Assays	1(0-2-1)
SCID 514 Animal Experimentation in Biomedical Research	1(0-2-1)
SCPS 630 Scientific Paper Analysis	1(0-3-1)
SCPS 639 Laboratory Methods in Physiology	1(0-3-1)
SCPS 663 Practicum in Exercise for Health	3(1-4-4)

Dissertation

SCPS 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 advantages of the programme

The program has been revised recently (June 2012). Please check the curriculum structure and course lists for details. Furthermore, the program has collaborative agreements with many Faculties and Institutes at Mahidol University as well as overseas. Students have the opportunity to do research work at any of these collaborating institutions. The program emphasizes high quality research on responses to exercise and exercise training from the molecular level to the whole body in human.

Application Process

Application is available all year round. Please contact the program director for further information.

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 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

1. To be an expert in exercises science working in private or government university
2. To be an scientist, researcher, and academician in the field of exercises science in private or government organization

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

1. **Assoc. Prof. Vitoon Saengsirisuwan** (E-mail : vitoon.sae@mahidol.ac.th)
Room B506, Biology Building, Floor 5,
Department of Physiology, Faculty of Science.
Tel. : 0 2201 5610 Fax. : 0 2354 7154

Program Coordinator

Miss Ummara Muang-ngam (E-mail : ummara.mua@mahidol.ac.th)
Room Pr404, Preclinic Building, Floor 4,
Department of Physiology, Faculty of Science.
Tel. : 0 2201 5611 Fax. : 0 2354 7154

Notes

1. The programme of Exercise Science requires students to study the pre - requisite course:
- SCID 500 Cell and Molecular Biology 3 Credits
2. For more information : www.grad.mahidol.ac.th and www.sc.mahidol.ac.th/scps
www.exercise.sc.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**