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**Master of Science Programme in Exercise Physiology (International Programme)**

หลักสูตร วิทยาศาสตร์มหาบัณฑิต สาขาวิชา สรีรวิทยาการออกกำลังกาย (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Science Department of Physiology

คณะวิทยาศาสตร์ ภาควิชา สรีรวิทยา

Expected number of students to be accepted all year round : 2 Students

**Admission Requirements**

**A candidate must:**

1. Those having completed a course of a study with good academic performance in Bachelor of Science or related field including Physical therapy, Occupational Therapy, Sport Sciences, Medicine, Dentistry, Veterinary Medicine, Pharmacy, Nursing, Radiation techniques, Medical Technology and Public Health.
2. have a grade point average of at least 3.00;
3. have a TOEFL score of at least 480, TOEFL computer-based score of 157, TOEFL Internet-based score of 54, or IELTS score of 4.5 or pass the English Proficiency Examination arranged by the Faculty of Graduate Studies. For those who already hold a valid English score, please submit its certificate along with all application documents.

**Curriculum Structure**

Required Courses	Credit 16
Elective Courses	8
Thesis	12

	Credit
<b>Required Courses</b>	
GRID 603 Biostatistics	3(3-0-6)
SCID 502 Cell Science	2(2-0-4)
SCID 518 Generic Skills in Science Research	1(1-0-2)
SCPS 664 Advanced Exercise Physiology	3(3-0-6)
SCPS 665 Seminar in Physiology of Exercise	1(1-0-2)
SCPS 661 Physical Fitness Testing and Exercise Prescription	3(2-2-5)
SCPS 663 Practicum in Exercise for Health	3(1-4-4)
<b>Elective Courses</b>	

SCID 500 Cell and Molecular Biology	3(3-0-6)
SCID 507 Microscopic Techniques	1(0-2-1)
SCID 508 Biomolecular and Spectroscopy Techniques	1(0-2-1)
SCID 509 Separation Techniques	1(0-2-1)
SCID 510 Immunological Methods	1(0-2-1)
SCID 511 Gene Technology	1(0-2-1)
SCID 512 Receptor Binding and Enzyme Kinetic Assays	1(0-2-1)
SCID 513 Animal Cell Culture Techniques	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 631 Systems Physiology	4(3-2-7)
SCPS 638 Exercise Genomics	3(3-0-6)
SCPS 639 Laboratory Methods in Physiology	1(0-3-1)
<b>Thesis</b>	
SCPS 698 Thesis	12(0-36-6)
<b>* These may change in cases where there are suggestions for the improvement of the curriculum</b>	

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

The programme has been revised recently (June 2009). Please check the curriculum structure and course lists for details.

#### **Detail of Scholarships**

1. Scholarship of the 60<sup>th</sup> Year Supreme Reign of His Majesty King Bhumibol Adulyadej.
2. Scholarships are available for all graduate students.

#### **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
- 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. Scientists, Researchers and Experts in applied and exercise physiology Consultants in Health Club and other health Organization.
2. Medical product specialist.

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

1. **Lect.Dr. Tossaporn Yimlamai** (E-mail : [tossaporn.yim@mahidol.ac.th](mailto:tossaporn.yim@mahidol.ac.th))  
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**Program Coordinator**

**Miss Ummara Muang-Ngam** (E-mail : [ummara.mua@mahidol.ac.th](mailto:ummara.mua@mahidol.ac.th))  
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Department of Physiology, Faculty of Science.  
Tel. : 0 2201 5611 Fax. : 0 2354 7154

**Notes**

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

**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)**