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**Doctor of Philosophy Programme in Exercise Science (International Programme)**

**Faculty of Science**

**Department of Physiology**

**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 ITP score of at least 500, TOEFL Internet-based score of 61 or IELTS score of 5.

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

**Curriculum Structure**

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

	<b>Credit</b>
<b>Required Courses</b>	
<b>For students with Bachelor's degree</b>	
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)
<b>For students with Master's degree</b>	
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)
<b>lective Courses</b>	
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)
<b>Dissertation</b>	
SCPS 699 Dissertation	48/36(0-144/108-0)
<b>* These may change in cases where there are suggestions for the improvement of the curriculum</b>	

### 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:

- Completed an Online Application at [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th) which comprised with
  - Form A** : Application Form
  - Form B** : Background and Proposed Field of Study
  - Form C** : Recommendation Forms (directly submitted by at least 2 referees)
- Two copies of Degree Certificate (with officially certified English translation)
- Two copies of Academic Transcript (with officially certified English translation)
- Two copies of Recent Photos (Passport size)

5. Two copies of Passport
6. Two copies of English certificate (TOEFL/ IELTS/ MU-Grad Test)

**(For Doctoral Program)**

- TOEFL ITP score of at least 500, TOEFL Internet-based score of 61, or IELTS score of 5

**(For Master's Program)**

- TOEFL ITP score of at least 480, TOEFL Internet-based score of 54, IELTS score of 5 or MU GRAD TEST score of 60.

**Notes**

- Only accept TOEFL ITP score from examination center arranged by Faculty of Graduate Studies, Mahidol University.
- TOEFL ITP taken from other domestic and overseas institutes are invalid.
- The test date must be within previous 2 years before application date
- Applicant who obtained a valid English score must submit an **official score certificate** along with your application. Otherwise, your English score will not be considered.
- Detail of English Competency Standard for Admission:  
<http://www.grad.mahidol.ac.th/en/current-students/language-center.php>

7. Two copies of Curriculum Vitae
8. Two copies of Statement of Purposes and Career Goals
9. Two copies of Current bank statement / Scholarship letter (if any)
10. Two copies of Concept paper / research proposal (recommended for all applicants)
11. Two copies of additional documents may be requested by each program (such as letter of work experience / professional license/ related certificates and awards)

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](mailto:vitoon.sae@mahidol.ac.th))

Room B506, Biology Building, Floor 5,  
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Tel. : 0 2201 5610 Fax. : 0 2354 7154

**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 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](http://www.grad.mahidol.ac.th) and [www.sc.mahidol.ac.th/scps](http://www.sc.mahidol.ac.th/scps)  
[www.exercise.sc.mahidol.ac.th](http://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 : [gradinter@mahidol.ac.th](mailto:gradinter@mahidol.ac.th)**