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Master of Science Program in Prosthetics, Orthotics and Pedorthics (International Program)

หลักสูตรวิทยาศาสตรมหาบัณฑิต สาขาวิชากายอุปกรณ์ (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Medicine, Siriraj Hospital คณะแพทยศาสตร์ศิริราชพยาบาล

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

There are 2 major concentrations

1. Prosthetics (เอกกายอุปกรณ์เทียม)
2. Pedorthics (เอกกายอุปกรณ์เสริมสำหรับเท้า)

Admission Requirements

A candidate must:

1. Already obtain a bachelor's degree in Prosthetics & Orthotics can apply for 2 major concentrations
2. Already obtain a bachelor's degree in science (all related areas) including courses in Physiology, Anatomy and Pathology can apply for Pedorthics major only
3. Have at least 1 year of work experience within a field relevant to health sciences
4. Have a grade point average of at least 2.50
5. Submit a certificate of English proficiency with minimum admission score:
 - IELTS - at least 4.5
 - TOEFL INTERNET BASED - at least 54
 - TOEFL ITP (test arranged by Faculty of Graduate Study, Mahidol University) - at least 470
 - MU GRAD TEST (COMPUTER BASED) - at least 45

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
 - MU English proficiency tests, please contact the Language Center, Faculty of Graduate Studies. Tel. 0-2441-4125 ext. 221-222
6. 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
 7. 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. Research Rational in Prosthetics and Orthotics	9.00 - 10.00 a.m.
Examination Place Mahidol University, Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th	

Curriculum Structure

	Credit
Plan A (A2)	
Prerequisite Courses	-
Core Courses	6
Required courses	12
Elective courses no less than	6
Thesis	12

Prerequisite Courses

SIPO 551 Basic Knowledge of Prosthetics and Orthotics	2(2-0-4)
SIPO 552 Basic Skills of Prosthetics and Orthotics	4(2-4-6)

Core Courses

SIRE 502 Research Methodology	2(2-0-4)
SIPO 501 Rehabilitation Medicine for Prosthetics and Orthotics	2(2-0-4)
SIPO 541 Seminar in Prosthetics and Orthotics I	1(1-0-2)
SIPO 542 Seminar in Prosthetics and Orthotics II	1(1-0-2)

Required courses Prosthetics

SIPO 511 Advanced Upper Limb Prosthetics	4(2-4-6)
SIPO 512 Advanced Lower Limb Prosthetics	4(2-4-6)
SIPO 513 Clinical Practice in Upper Limb Prosthetics	2(0-6-3)
SIPO 514 Clinical Practice Lower Limb Prosthetics	2(0-6-3)

Orthotics

SIPO 521 Advanced Upper Limb Orthotics	2(1-2-3)
SIPO 522 Advanced Lower Limb Orthotics	2(1-2-3)
SIPO 523 Advanced Spinal Orthotics	2(1-2-3)
SIPO 524 Seating and Other Orthotic devices	2(1-2-3)
SIPO 525 Clinical Practice in Limb orthotics	2(0-6-3)
SIPO 526 Clinical Practice in Spinal and Other Orthotic	2(0-6-3)

Pedorthics

SIPO 531 Medical footwear	2(1-2-3)
SIPO 532 Footwear modification	2(1-2-3)
SIPO 533 Advanced Foot Orthotics	4(2-4-6)
SIPO 534 Clinical Practice in Medical Footwear	2(0-6-3)
SIPO 535 Clinical Practice in Foot Orthotics	2(0-6-3)

Elective courses

SIPO 502 Orthotic and Prosthetic Technologies	3(2-2-5)
SIPO 503 Health Education in Prosthetics and Orthotics	3(3-0-6)
SIPO 504 Organization in Prosthetics and Orthotics	3(2-2-5)
SIPO 505 Biomechanic for Prosthetics and Orthotics	3(2-2-5)
SIPO 506 Clinical Gait Analysis	3(2-2-5)
SIPO 507 Physiology of Exercise	3(2-2-5)
SIPO 508 Applied Exercise Physiology	3(2-2-5)

Thesis

SIPO 698 Thesis	12(0-36-0)
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*** These may change in cases where there are suggestions for the improvement of the curriculum**

Additional advantages of the programme

1. Thailand's first Master of Science Program in Prosthetics, Orthotics and Pedorthics (International Program). Whereas the Asia Pacific region, La Trobe University, Australia, offers the only Master's degree program in Prosthetics & Orthotics
2. Master's graduates are prepared with knowledge, abilities, ethics, and morality for careers, being able to work with ethics, morality and code of profession conduct in preparation for a career as a

professional lecturer in Prosthetics & Orthotics. Prosthetics & Orthotics graduates will possess competencies and skills that comply with international quality standards. This program also helps upgrade Prosthetics & Orthotics career in Thailand to be internationally recognized.

3. Prosthetics & Orthotics master's graduates are prepared for social care services for disabled people and people with physical difficulties in order to improve their quality of life and ability to take part in society. Graduates will acquire specialized and advanced knowledge of their chosen area: Prosthetics, Orthotics and Pedorthics, to better serve patients and improve quality of care complying with standards of developed countries.

Areas of study that a student may select for concentration:

The main target groups are Prosthetics & Orthotics graduates who are aiming for a career as a lecturer in Prosthetics & Orthotics hereafter as well as alumni who are working in public and private sectors, both domestic and international. The program also allows graduates in health-related fields such as nurses, physical therapists to pursue a master's degree in Pedorthics specializing in diabetic foot care. As a matter of fact, in recent years diabetes is one of the most common important health problems in Thailand requiring many healthcare workers in particular those in the field of Prosthetics & Orthotics commonly needed in Thailand and Southeast Asian countries.

Details of Scholarships

Scholarship of the 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej

Application Process

Application is only available via online application at 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 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)
- 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 / MU GRAD TEST
- A copy of proof of payment

Job option after graduation

1. Prosthetic & orthotic specialist in university or research institute or under any related research project in Prosthetics & Orthotics
2. Certified Prosthetist and Orthotist
3. Educator, Researcher in Prosthetics & orthotics

**Further information may be obtained from the Director of Graduate Studies,
Prosthetics, Orthotics and Pedorthics :**

1. Associate Professor Dr. Nisarath Oparatitkul (**E-mail** :nisarath.opa@mahidol.ac.th)
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Program Coordinator

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Notes For more information: www.grad.mahidol.ac.th

**For more Information please contact The Student Admissions Section.
Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : gradthai@mahidol.ac.th**