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Doctor of Philosophy Programme in Logistics and Engineering Management (International Programme)

หลักสูตร ปรัชญาดุษฎีบัณฑิต

สาขาวิชา การจัดการโลจิสติกส์และวิศวกรรม (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Engineering

คณะวิศวกรรมศาสตร์

Expected number of Students to be accepted all year round : 3 Students

#### Admission Requirements

##### A candidate must:

1. hold a Master's degree in Engineering, Science, or other Master's degree from an institute accredited by the Commission on Higher Education with a minimum GPA of 3.50 or equivalent.
2. exceptions to the above requirement may be made by the Program Committee and the Dean of the Faculty of Graduate Studies.
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.
4. 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](http://www.grad.mahidol.ac.th/grad/admission/form_th.php)

Exceptions from the above conditions may be granted 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>		<u>Second Round</u>	
January 17, 2015		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.
3. Quantitative Foundation and Analytical Writing	1.30 - 3.00 p.m.	3. Quantitative Foundation and Analytical Writing	1.30 - 3.00 p.m.
<b>Place</b> Mahidol University , Salaya , Nakhonpathom more details : <a href="http://www.grad.mahidol.ac.th">www.grad.mahidol.ac.th</a> or Announcement at Faculty of Graduate Studies branches.			

## Curriculum Structure

	Credit
Fundamental Courses	-
Required Courses	6
Elective Courses	6
Thesis	36

	Credit
<b>Fundamental Courses</b>	
EGIE 551 Design of Experiments	3(3-0)
EGIE 552 Operations Research	3(3-0)
EGIE 553 Production Planning and Control	3(3-0)
<b>Required Courses</b>	
EGIE 555 Engineering Management in Logistics and Supply Chain System	3(3-0)
EGIE 556 Seminar and Research Methods	3(3-0)
<b>Elective Courses</b>	
<b>Industrial Engineering and Operations Research Track.</b>	
EGIE 560 System Thinking and Modeling	3(3-0)
EGIE 561 Applied Regression Analysis	3(3-0)
EGIE 562 Applied multivariate Statistical Analysis	3(3-0)
EGIE 563 Queuing Systems and Applications	3(3-0)
EGIE 564 Nonlinear Programming	3(3-0)
EGIE 580-589 Special Topics in Logistics and Engineering Management	3(3-0)
<b>Management of Information Technology System Track.</b>	
EGIE 565 Data Mining in Industrial Engineering	3(3-0)
EGIE 670 Information Technology for Logistics and Supply Chains	3(3-0)
EGIE 680 Data Structures Systems and Database Management System	3(3-0)
EGIE 681 Decision Support System and Modeling	3(3-0)
EGIE 682 Geographic Information System	3(3-0)
<b>Thesis</b>	
EGBE 699 Dissertation	36(108-0)
* These may change in cases where there are suggestions for the improvement of the curriculum	

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

The Ph.D. students will have an opportunity to get international exposures by participating in our Mobility Program or International Research Experience program. Besides our research-focus environment, the students will be able to network with researchers in ASEAN who are interested in the areas of Logistics and Engineering Management.

### **Details of Scholarship**

The Ph.D. students will have an opportunity to work with faculty members on their research projects and get research funding based on funding availability.

### **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
- 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)

### **Proposal / Concept Paper**

A two page statement of your research motivation and interest.

The Proposal includes the problems and the importance of problems, literature review, and planned research framework.

### **Job option after graduation**

- Academia, Researcher, Professional Consultant.
- University Lecturer in the field of Engineering and Management.
- Organizational Leadership or Executive Management

Further information may be obtained from the Director of Graduate Studies,  
Logistics and Engineering Management:

1. **Lect. Dr. Jirapan Liangrokapart** (E-mail : [jirapan.lia@mahidol.ac.th](mailto:jirapan.lia@mahidol.ac.th))

Room R212, Building 1, Floor 2, Department of Industrial Engineering,  
Faculty of Engineering, Mahidol University, Salaya.

Tel. 0 2889 2138 Ext. 6221 Fax. 0 2889 2138 Ext. 6229

2. **Asst. Prof. Dr. Ronnachai Sirovetnukul** (E-mail : [ronnachai.sir@mahidol.ac.th](mailto:ronnachai.sir@mahidol.ac.th))

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**Program Coordinator**

1. **Miss Tawinan Simajaruk** (E-mail : [taamtee@hotmail.com](mailto:taamtee@hotmail.com))

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**Note** 1. For more education information : [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th)

<p>For more information please contact The Student Admission Section. Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : <a href="mailto:gradthai@mahidol.ac.th">gradthai@mahidol.ac.th</a></p>
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