



CRISIS AND DISASTER
SUPPLY CHAIN
URBAN TRANSPORTATION
LOGISTICS SYSTEM
OPERATIONS
TECHNIQUES
ROAD SAFETY POLICY
INTELLIGENT
SEMINAR

AIR TRANSPORTATION
MARITIME
TRAFFIC
METHODS
ANALYSIS
MODELLING
CASES AND ISSUE

DOCTOR IN TRANSPORTATION AND LOGISTICS

KPT REF. NUMBER: (N/840/8/0007) (06/17)
MQA REF. NUMBER: MQA/FA1140
School of Business



UNIVERSITY OF THE FUTURE

DOCTOR IN TRANSPORTATION AND LOGISTICS

The PhD programme in Transportation and Logistics provides opportunities to students to conduct in-depth research in specialised areas while maintaining a reasonable breadth of knowledge in the dynamic field of transportation and logistics.

This programme also offers sufficient flexibility to students to develop their study and research that cross traditional disciplinary and departmental boundaries. This is necessary to tackle the increasingly inter-disciplinary nature of transportation and logistics issues and problems.

Degree Requirements

The PhD programme in Transportation and Logistics requires:

1. successful completion of at least 6 doctoral level courses
2. successful completion of General Examination
3. submission and approval of a PhD thesis research proposal
4. undertaking of original research
5. submission and defense of original research in the form of a dissertation

General Examination

Students are expected to take the General Examination in the second semester. The General Examination is designed to test the student on his understanding of the breadth of knowledge across the field of transportation & logistics as well as the depth of his understanding in his chosen field of specialisation.

Thesis Research

After passing the General Examination, the student is required to submit a PhD thesis proposal. The thesis proposal should provide strong foundation for the thesis, incorporating new research ideas and refinement of the scope of the research project. The thesis proposal is to be presented to a proposal defense committee. Once the thesis proposal is approved, the student may proceed with the PhD thesis research. The student is required to write a doctoral dissertation and pass the Thesis Defense in order to be granted a PhD degree.



Required academic preparation coursework

To fulfill the coursework requirements of the PhD programme, students must pass at least 6 fulltime courses. The programme courses offered include the following:

- Methods for Transportation Systems Analysis
- Applied Econometric Analysis for Transportation and Logistics
- Modeling and Simulation Techniques for Transport Systems
- Computer Algorithms in Transportation
- Advanced Traffic Management
- Seminar in Transportation Policy, Planning and Implementation
- Transportation Economics
- Cases and Issues in Logistics and Supply Chain Management
- International Maritime Logistics



- Air Transportation Management
- Theoretical Frameworks and Applications in Transportation and Logistics
- Land Use and Urban Transportation Planning
- Principles of Supply Chain Management
- Logistics Systems, Operations and Techniques
- Road Safety Policy, Program and Implementation
- Intelligent Transportation Systems: Issues and Applications
- Transportation Crisis and Disaster Management
- Sustainable Transportation

Duration

The PhD degree programme requires a minimum of 6 semesters (3 years) of fulltime study, the maximum candidature of the PhD programme is 12 semesters (6 years)

Entry Requirement

- A Master's degree (First or Second Upper Class honours degree or CGPA of 3.00 or above on a 4 point scale) or an equivalent qualification in a relevant field from a recognized university.
- In special circumstances, applicants who have relevant work experience in an appropriate field and a Second Lower honours degree or a CGPA of 2.50-2.99 (on a 4 point scale) may be considered for admission.

Language Proficiency

- Applicants will be required to provide documentary evidence of proficiency in English in one of the following examinations:
 - Test of English as a Foreign Language (TOEFL) at a score of 600, or higher; or
 - International English Language Testing Services (IELTS) at a minimum overall score of 6.5 and at least a 6.0 score in each individual component of the test; or
 - Provide proof of English proficiency as evaluated through MUST English Placement Test and personal interviews.





GPS: 3.154176, 101.596092

Search Maps : Malaysia University of Science and Technology (MUST)



In 1995, the then Prime Minister, Tun Dr Mahathir Mohammad and a delegation from Malaysia made a working visit to Massachusetts Institute of Technology (MIT) and endorsed the establishment of university modelled after MIT. An agreement was signed in January 1997 to establish the Malaysia University of Science and Technology (MUST).

In its formative years, MUST was fully assisted and supported by MIT, a world-renowned university noted for its education and research in advanced science and technology.

MUST emulated MIT's method of teaching and learning which encourages creativity, analytical thinking, problem-solving, innovation and team-building. These are qualities that have been proven to be successful in producing entrepreneurial leadership in science, technology, business and management.

MUST also nurtures a research-driven culture in all fields of expertise to ensure depth of understanding and confidence in facing practical problem. The MIT model has been the impetus of the MUST culture that is vibrant, innovative and purposive to our local environment.



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