

## Catalog of Postgraduate Programs and Curricula

### Curriculum for MPhil(IELM) (For students admitted in 2010-11)

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#### Program Requirements for Master of Philosophy (MPhil) Program in Industrial Engineering and Logistics Management

##### *Credits*

To complete a **minimum of 15 credits** of approved PG coursework, with at least 9 credits from the following five course groups:

1. IELM 5110 *Information System Design*
2. IELM 5170 *Advanced Production Planning and Control*
3. IELM 5230 *Deterministic Models in Operations Research*; or  
IELM 5250 *Stochastic Models in Operations Research*
4. IELM 5260 *Design and Analysis of Engineering Experiments*
5. IELM 5320 *Design for People*; or  
IELM 5520 *Human-Computer Systems*

##### *Postgraduate Seminar*

To participate in IELM 6800 *Departmental Seminar* for at least 2 terms.

##### *Language Requirements*

Students must pass LANG 5001 *Postgraduate English for Academic Purposes*.

- (a) *The 1 credit earned from LANG 5001 cannot be counted toward the credit requirements.*
- (b) *Exemption from taking LANG 5001 may be granted by the Department Head and PG Coordinator.*

##### *Research and MPhil Thesis Examination*

1. To conduct research and enroll in IELM 6990 *MPhil Thesis Research*; and
2. To defend the MPhil thesis successfully.

##### *Concentration*

###### Energy Technology Concentration

In addition to the program requirements specified above, students who opt for the Energy Technology concentration are required to:

- Take 1 ENEG course;
- Complete ENEG 6010 *Advanced Topics in Energy Technology* for 1 term. (*ENEG 6010 can be used to replace 1 term of registration of IELM 6800*); and
- Conduct research in energy area.