

MUST Curriculum Planning for Graduate Students for Academic Year 2022-2023,
Institute of Industrial Engineering and Management

| 1 st year(111) | | | | | | 2 nd year(112) | | | | | | |
|-------------------------------|--|--------------------------|----------|--------------------------|----------|-------------------------------|-----------------|--------------------------|----------|--------------------------|----------|----------|
| | Course | 1 st semester | | 2 nd semester | | | Course | 1 st semester | | 2 nd semester | | |
| | | Cr. | hr. | Cr. | hr. | | | Cr. | hr. | Cr. | hr. | |
| MUST Core Required Courses | | | | | | MUST Core Required Courses | | | | | | |
| | Subtotal | 0 | 0 | 0 | 0 | | Subtotal | 0 | 0 | 0 | 0 | 0 |
| Department compulsory courses | Research Method and Seminar Discussion | 3 | 3 | | | Department compulsory courses | Thesis | 3 | 3 | 3 | 3 | |
| | Advanced Technical English | | | 3 | 3 | | | | | | | |
| | | | | | | | | | | | | |
| | Subtotal | 3 | 3 | 3 | 3 | | Subtotal | 3 | 3 | 3 | 3 | 3 |
| Department Elective Courses | Theory of Constraints and Practices | 3 | 3 | | | Department Elective Courses | | | | | | |
| | Life Cycle Assessment | 3 | 3 | | | | | | | | | |
| | Reliability Engineering | 3 | 3 | | | | | | | | | |
| | New Product Design and Management | 3 | 3 | | | | | | | | | |
| | Green Design and Circular Thinking | 3 | 3 | | | | | | | | | |
| | Greenhouse Gases Management and Strategies for Sustainable | 3 | 3 | | | | | | | | | |
| | Problem Analysis and Decision Making | | | 3 | 3 | | | | | | | |
| | 6σ Quality Engineering Management | | | 3 | 3 | | | | | | | |
| | Management & Performance Evaluation | | | 3 | 3 | | | | | | | |
| | Analytical Hierarchy Process and Applications | | | 3 | 3 | | | | | | | |
| | Theory and Practice of Enterprise Resource Planning | | | 3 | 3 | | | | | | | |
| | Organization Theory and Design | | | 3 | 3 | | | | | | | |
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Cr./hr.=Credit/hour

Remarks:

1. Minimum graduation credits: 30 credits; compulsory credits: 12 credits, electives: 18 credits (elective credits include inter-departmental elective credits).
2. Study credits per semester: the lower limit is 1 credit (6 credits not included for the thesis).
3. The department allows inter-departmental electives, but the credits of the department's major electives cannot be 12 credits.
4. All 6 thesis credits will be granted only after passing the oral exam.
5. The elective courses are subject to change if necessary.



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