



TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
938 Aurora Blvd. Cubao, Quezon City

**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =**

**CURRICULUM LEADING TO THE DEGREE OF
MASTER OF ENGINEERING WITH SPECIALIZATION IN INDUSTRIAL ENGINEERING
EFFECTIVE SECOND SEMESTER OF SY 2020 – 2021**

Catalog	No.	Descriptive Title	Hours/Week		Credit
			Lec	Lab	
CORE COURSES (9 UNITS)					
MERC	111	Engineering Analysis	3	0	3
MERC	112	Research Techniques with Statistical Methods	3	0	3
MERC	113	Advanced Optimization Theory and Methods	3	0	3
SPECIALIZATION COURSES (9 UNITS)					
MECC	161	Ergonomics and Work Design	3	0	3
MECC	162	Operations Research and Industrial Management	3	0	3
MECC	163	Production Engineering and Operations Management	3	0	3
ELECTIVE COURSES (6 UNITS)					
MEEC	111	Management of Technology	3	0	3
MEEC	112	Special Topics	3	0	3
MEEC	116	Advanced Project Management	3	0	3
MEEC	161	Advanced Facilities Design	3	0	3
MEEC	162	Total Quality Management	3	0	3
MEEC	163	Risk Management	3	0	3
MEEC	164	Systems Engineering Management	3	0	3
MEEC	165	Strategic Thinking and Planning	3	0	3
MEEC	166	Advanced Production Systems	3	0	3
MEEC	167	Industrial Organization and Management	3	0	3
MECC	164	Logistics and Innovation Management	3	0	3
CAPSTONE COURSES (6 UNITS)					
MECP	200	Capstone Project 1 (Prerequisite: Comprehensive Exam)	3	0	3
MECP	201	Capstone Project 2	3	0	3

TOTAL = 30 UNITS