



TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
363 P. Casal St. Quiapo, Manila

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

**CURRICULUM LEADING TO THE DEGREE OF
MASTER OF ENGINEERING IN MECHANICAL 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)					
MEME	121	Conventional and Renewable Energy Resources	3	0	3
MEME	122	Advanced Ventilation, Air Conditioning and Refrigeration	3	0	3
MEME	124	Power Plant Systems	3	0	3
ELECTIVE COURSES (6 UNITS)					
MCHE	443	Material Engineering	3	0	3
MEEC	111	Management of Technology	3	0	3
MEEC	171	Engineering Production Management	3	0	3
MEEC	172	Energy Management in Commercial and Industrial Sectors	3	0	3
MEEC	116	Advanced Project Management	3	0	3
MEEC	173	Energy Conversion-Technology and Policy	3	0	3
MEEC	174	Design of Thermal Systems	3	0	3
MEEC	175	Computer Aided Design with Finite Elements	3	0	3
MEEC	112	Special Topics	3	0	3
CAPSTONE COURSES (6 UNITS)					
MPCP	101	Capstone Project 1	3	0	3
MPCP	102	Capstone Project 2	3	0	3

TOTAL = 30 UNITS