

AFFILIATED INSTITUTIONS
ANNA UNIVERSITY, CHENNAI
REGULATIONS 2013
CURRICULUM I TO VI SEMESTERS (PART TIME)
M.E. THERMAL ENGINEERING

SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	MA7169	Advanced Numerical Methods	3	1	0	4
2	TE7101	Advanced Heat Transfer	3	1	0	4
3	TE7102	Advanced Thermodynamics	3	1	0	4
PRACTICAL						
4	TE7111	Thermal Engineering Laboratory	0	0	3	2
TOTAL			9	3	0	14

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	TE7201	Design of Thermal Systems	3	0	0	3
2	TE7202	Instrumentation for Thermal Engineering	3	0	0	3
3	TE7203	Environmental Engineering and Pollution Control	3	0	0	3
PRACTICAL						
4	TE7212	Simulation Laboratory	0	0	3	2
TOTAL			9	0	3	11

SEMESTER III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1	TE7103	Advanced Engineering Fluid Mechanics	3	0	0	3
2	TE7104	Fuels and Combustion	3	0	0	3
3		Elective I	3	0	0	3
TOTAL			9	0	0	9

SEMESTER IV

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1		Elective II	3	0	0	3
2		Elective III	3	0	0	3
3		Elective IV	3	0	0	3
PRACTICAL						
4	TE7211	Seminar I	0	0	2	1
TOTAL			9	0	2	10

SEMESTER V

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1		Elective V	3	0	0	3
2		Elective VI	3	0	0	3
3		Elective VII	3	0	0	3
PRACTICAL						
4	TE7311	Seminar II	0	0	2	1
5	TE7312	Project work (Phase I)	0	0	12	6
TOTAL			9	0	14	16

SEMESTER VI

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1	TE7411	Project Work (Phase II)	0	0	24	12
TOTAL			0	0	24	12

TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE =72

LIST OF ELECTIVES FOR M.E THERMAL ENGINEERING

Elective I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	TE7001	Design of Heat Exchangers	3	0	0	3
2.	IC7003	Aircraft and Space Propulsion	3	0	0	3
3.	EY7003	Hydrogen and Fuel Cell Technologies	3	0	0	3
4.	EY7103	Energy Resources	3	0	0	3
5.	IC7071	Advanced Internal Combustion Engineering	3	0	0	3
6.	TE7002	Cryogenic Engineering	3	0	0	3
7.	TE7003	Refrigeration Machinery and Components	3	0	0	3

Elective II, III & IV

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	IC7072	Computational Fluid Dynamics	3	0	0	3
2.	TE7004	Fans, Blowers and Compressors	3	0	0	3
3.	TE7005	Food Processing, Preservation and Transport	3	0	0	3
4.	EY7008	Nuclear Engineering	3	0	0	3
5.	TE7006	Industrial Refrigeration Systems	3	0	0	3
6.	TE7007	Refrigeration Systems Design	3	0	0	3
7.	TE7008	Energy Management in Thermal Systems	3	0	0	3

Elective V, VI & VII

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	EY7202	Design and Analysis of Turbomachines	3	0	0	3
2.	TE7009	Boundary Layer Theory and Turbulence	3	0	0	3
3.	TE7010	Advanced Power Plant Engineering	3	0	0	3
4.	EY7010	Steam Generator Technology	3	0	0	3
5.	EY7011	Fluidized Bed Systems	3	0	0	3
6.	TE7011	Advanced Thermal Storage Technologies	3	0	0	3
7.	TE7012	Cogeneration and Waste Heat Recovery Systems	3	0	0	3