

Master of Mechanical Engineering (MEPG) Thermal

Prog	CCMT Code	Group	Sem	Course Code	Course Title	L	T	P	Credits	FM
MEPG	THR	Core	1	ME601	Advanced thermodynamics	3	0	0	3	100
MEPG	THR	Core	1	ME602	Advanced Heat and Mass Transfer	3	0	0	3	100
MEPG	THR	EL-1	1	ME6xx	Elective – I	3	0	0	3	100
MEPG	THR	EL-2	1	ME6xx	Elective – II	3	0	0	3	100
MEPG	THR	EL-3	1	ME6xx	Elective – III	3	0	0	3	100
MEPG	THR	Lab	1	ME681	Advanced Mechanical Engineering Lab - I	0	0	6	4	100
			1		<b>Total Semester Credits</b>	<b>12</b>	<b>0</b>	<b>6</b>	<b>19</b>	<b>500</b>
MEPG	THR	Core	2	ME631	Design of Thermal System	3	0	0	3	100
MEPG	THR	EL-4	2	ME6xx	Elective – IV	3	0	0	3	100
MEPG	THR	EL-5	2	ME6xx	Elective – V	3	0	0	3	100
MEPG	THR	EL-6	2	ME6xx	Elective – VI	3	0	0	3	100
MEPG	THR	EL-7	2	ME6xx	Elective – VII	3	0	0	3	100
MEPG	THR	Lab	2	ME685	Advanced Mechanical Engineering Lab - II	0	0	6	4	100
MEPG	THR	Lab	2	ME694	Seminar	0	0	3	2	100
					<b>Total Semester Credit</b>	<b>12</b>	<b>0</b>	<b>9</b>	<b>21</b>	<b>600</b>
MEPG	THR									
MEPG	THR	Lab	3	ME695	Seminar and Comprehensive Viva - I	0	0	3	2	100
MEPG	THR	Lab	3	ME697	Dissertation (to be continued in 4 <sup>th</sup> Sem)	0	0	12	8	100
MEPG	THR		3		<b>Total Semester Credit</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>10</b>	<b>200</b>
MEPG	THR									
MEPG	THR	Lab	4	ME696	Seminar and Comprehensive Viva - II	0	0	3	2	100
MEPG	THR	Lab	4	ME698	Dissertation	0	0	15	10	100
MEPG	THR		4		<b>Total Semester Credit</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>12</b>	<b>200</b>
					<b>Cumulative Total Credit</b>				<b>62</b>	<b>1500</b>
					<b>List of Electives</b>					
MEPG	THR	EL-1	1	MA601	Mathematical Methods of Engineering	3	0	0	3	100
MEPG	THR	EL-1	1	ME614	Computational Fluid Dynamics (CFD)	3	0	0	3	100
MEPG	THR	EL-2	1	ME637	Advances in Engineering optimization	3	0	0	3	100
MEPG	THR	EL-2	1	ME632	Advanced IC Engines	3	0	0	3	100
MEPG	THR	EL-3	1	ME613	<b>Finite Element Analysis</b>	3	0	0	3	100
MEPG	THR	EL-3	1	ME611	Solar Energy	3	0	0	3	100
MEPG	THR	EL-4	2	ME612	Fuel Cell Technology	3	0	0	3	100
MEPG	THR	EL-4	2	ME633	Advanced Refrigeration	3	0	0	3	100
MEPG	THR	EL-5	2	ME638	Advanced Gas Turbine	3	0	0	3	100
MEPG	THR	EL-5	2	ME626	Combustion generated pollution	3	0	0	3	100
MEPG	THR	EL-5	2	ME639	Advance Fluid Mechanics	3	0	0	3	100
MEPG	THR	EL-6	2	ME624	Gas Dynamics	3	0	0	3	100
MEPG	THR	EL-6	2	ME635	Turbo machine	3	0	0	3	100
MEPG	THR	EL-7	2	ME636	Power Plant Engineering	3	0	0	3	100
MEPG	THR	EL-7	2	ME634	Fuel and Combustion	3	0	0	3	100