

Mahakaushal University, Jabalpur (M.P.)



Scheme & Syllabus

For

M.Tech

in

Thermal Engineering

2021-2022 onwards

Duration of Course: 2 Years

Examination Mode: Semester

Examination System: CBCS

**Mahakaushal University
Village-Aithakheda, Mukunwara Road, Post- Tilwara Jabalpur (M.P.) 482003**

M.Tech Thermal Engineering

1st Sem

SUBJECT CODE & SUBJECT NAME	L	T	P	C	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	TOTAL
MTTE0101-T-ADVANCED MATHEMATICS	3	1	0	4	70	28	20	8	10	4					100
MTTE0102-T-THERMODYNAMICS AND COMBUSTION	3	1	0	4	70	28	20	8	10	4					100
MTTE0103-T-HEAT & MASS TRANSFER	3	1	0	4	70	28	20	8	10	4					100
MTTE0104-T-ADVANCED FLUID MECHANICS	3	1	0	4	70	28	20	8	10	4					100
MTTE0105-T-IC ENGINES & ALTERNATE FUELS	3	1	0	4	70	28	20	8	10	4					100
MTTE0103-P-HEAT & MASS TRANSFER LAB	0	0	2	2							30	12	20	8	50
MTTE0105-P-IC ENGINES & ALTERNATE FUELS LAB	0	0	2	2							30	12	20	8	50

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2nd Sem

SUBJECT CODE & SUBJECT NAME	L	T	P	C	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	TOTAL
MTTE0201-T-THERMAL POWER PLANT ENGINEERING	3	1	0	4	70	28	20	8	10	4					100
MTTE0202-T-DESIGN OF HEAT EXCHANGERS	3	1	0	4	70	28	20	8	10	4					100
MTTE0203-T-ADVANCE REFRIGERATION SYSTEMS	3	1	0	4	70	28	20	8	10	4					100
MTTE0204-T-STEAM AND GAS TURBINE	3	1	0	4	70	28	20	8	10	4					100
MTTE0205-T-MAINTENANCE OF THERMAL POWER PLANT	3	1	0	4	70	28	20	8	10	4					100
MTTE0203-P-ADVANCE REFRIGERATION SYSTEMS LAB	0	0	2	2							30	12	20	8	50
MTTE0205-P-MAINTENANCE OF THERMAL POWER PLANT LAB	0	0	2	2							30	12	20	8	50

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3rd Sem

SUBJECT CODE & SUBJECT NAME	L	T	P	C	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	TOTAL
MTTE0301(A)-T-COMPUTER AIDED DESIGN OF THERMAL SYSTEM	3	1	0	4	70	28	20	8	10	4					100
MTTE0302(A)-T-GAS FLOW THROUGH TURBO MACHINES	3	1	0	4	70	28	20	8	10	4					100
MTTE0303-P-SEMINAR *	0	0	4	4							100	40			100
MTTE0304-P-PRELIMINARIES OF DISSERTATION	0	0	8	8							120	48	80	32	200

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4th Sem

SUBJECT CODE & SUBJECT NAME	L	T	P	C	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	TOTAL
MTTE-0401-P-DISSERTATION	0	0	20	20							300	120	200	80	500