

Mahakaushal University, Jabalpur (M.P.)



Scheme & Syllabus
For
M.Tech
in
Power System 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 Power System

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
MTPS0101-T-ADVANCED MATHEMATICS	3	1	0	4	70	28	20	8	10	4					100
MTPS0102-T-POWER SYSTEM DYNAMICS AND CONTROL	3	1	0	4	70	28	20	8	10	4					100
MTPS0103-T-ADVANCED POWER SYSTEM PROTECTION RELAY	3	1	0	4	70	28	20	8	10	4					100
MTPS0104-T-POWER ELECTRONICS APPLICATION IN POWER SYSTEM	3	1	0	4	70	28	20	8	10	4					100
MTPS0105-T-ADVANCED COURSE IN ELECTRICAL MACHINE	3	1	0	4	70	28	20	8	10	4					100
MTPS0106-P-POWER ELECTRONICS LAB	0	0	2	2							30	12	20	8	50
MTPS0107-P-POWER SYSTEMS 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
MTPS0201-T-REACTIVE POWER CONTROL & FACTS	3	1	0	4	70	28	20	8	10	4					100
MTPS0202-T-ENERGY CONSERVATION AND MANAGEMENT	3	1	0	4	70	28	20	8	10	4					100
MTPS0203-T-POWER QUALITY AND CONDITIONING	3	1	0	4	70	28	20	8	10	4					100
MTPS0204-T-RESTRUCTURED POWER SYSTEMS	3	1	0	4	70	28	20	8	10	4					100
MTPS0205-T-POWER SYSTEM TRANSIENTS	3	1	0	4	70	28	20	8	10	4					100
MTPS0206-P-ADVANCED POWER SYSTEM LAB	0	0	2	2							30	12	20	8	50
MTPS0207-P-COMPUTER APPLICATION IN POWER SYSTEM	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
MTPS0301(A)-T-POWER SYSTEM INSTRUMENTATION	3	1	0	4	70	28	20	8	10	4					100
MTPS0302(B)-T-ADVANCED ELECTRICAL DRIVES	3	1	0	4	70	28	20	8	10	4					100
MTPS0303-P-SEMINAR	0	0	4	4							100	40			100
MTPS0304-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
MTPS-0401-P-DISSERTATION	0	0	20	20							300	120	200	80	500