

Mahakaushal University, Jabalpur (M.P.)



Scheme & Syllabus

For

M.Tech

in

Highway 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 Highway

1st Sem

SUBJECT CODE & SUBJECT NAME	L	T	P	C	TH CR	PR CR	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	Total
MTHE0101-T-HIGHWAY MATERIAL AND TESTING	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0102-T-TRANSPORTATION PLANNING	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0103-T-HIGHWAY GEOMETRIC DESIGN	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0104-T-HIGHWAY EQUIPMENTS AND MACHINERY	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0105(A)-T-LOW COST ROAD	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0106-P-HIGHWAY LAB	0	0	2	2	0	2							90	36	60	24	150
MTHE0107-P-CAD LAB	0	0	2	2	0	2							90	36	60	24	150

M.Tech Highway

2nd Sem

SUBJECT CODE & SUBJECT NAME	L	T	P	C	TH CR	PR CR	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	Total
MTHE0201-T-PAVEMENT ANALYSIS & DESIGN	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0202-T-TRAFFIC ENGINEERING & FIELD STUDIES	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0203-T-HIGHWAY CONSTRUCTION	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0204-T-AIRPORT PLANNING AND DESIGN	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0205(B)-T-ADVANCE OF CONCRETE TECHNOLOGY	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0206-P-PAVEMENT DESIGN LAB	0	0	2	2	0	2							90	36	60	24	150
MTHE0207-P-AIRPORT PLANNING AND DESIGN LAB	0	0	2	2	0	2							90	36	60	24	150

M.Tech Highway

3rd Sem

SUBJECT CODE & SUBJECT NAME	L	T	P	C	TH CR	PR CR	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	Total
MTHE0301-T-TRANSPORTATION SYSTEM ANALYSIS	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0302(B)-T-PAVEMENT SYSTEM MANAGEMENT	3	1	0	4	4	0	70	28	20	8	10	4					100
MTHE0303-P-SEMINAR	0	0	4	4	0	4							100	40			100
MTHE0304-P-PRELIMINARIES OF DISSERTATION	0	0	8	8	0	8							120	48	80	32	200

M.Tech Highway

4th Sem

SUBJECT CODE & SUBJECT NAME	L	T	P	C	TH CR	PR CR	TH MAX	TH MIN	MS MAX	MS MIN	TQ MAX	TQ MIN	PR MAX	PR MIN	LW MAX	LW MIN	Total
MTHE0401-P-DISSERTATION	0	0	20	20	0	20							300	120	200	80	500