

SWAMI VIVEKANAND UNIVERSITY, SIRONJA, SAGAR (M.P.)



SYLLABUS

For

**MASTER OF TECHNOLOGY (M.Tech)
STRUCTURAL ENGINEERING**

Course Code : MTCEH

Department of Civil Engineering

Faculty of Engineering

Duration of Course	: 2 Years
Examination Mode	: Semester
Examination System	: Grading

Swami Vivekanand University, Sironja Sagar (M.P.)
2016-2017



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering

Department : Civil Engineering

Scheme of Course : M.Tech in STRUCTURAL ENGG.

Course Code : MTCES

Semester/Year :- 1 Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks										Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H= D+G)		
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal		Total (G= E+F)	
						Max (A)	Min	MST (B)	TW (C)		Max (E)	Min				
MTCES - 0101	Advanced Engineering Mathematics	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0102	Strength Of Materials & Theory Of Elasticity	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0103	Advanced Structural Analysis	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0104	Design Of Concrete Structures	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0105	Computer Aided Design	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0106	Lab-I(Concrete)	-	-	6	6	-	-	-	-	-	90	36	60	150	150	-
MTCES - 0107	Lab-II (CAD)	-	-	6	6	-	-	-	-	-	90	36	60	150	150	-
	Total	15	05	12	32	350	-	100	50	500	180	-	120	300	800	



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering

Department : Civil Engineering

Scheme of Course : M.Tech in STRUCTURAL ENGG.

Course Code : MTCES

Semester/Year :- 2 Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks										Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H= D+G)		
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal		Total (G= E+F)	
						Max (A)	Min	MST (B)	TW (C)		Max (E)	Min				
MTCES - 0201	Structural Dynamics	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0202	Fem In Structural Engineering	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0203	Advanced Concrete Technology	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES- 0204	Experimental Stress Analysis	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES- 0205	Theory Of Plates & Shells	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES- 0206	Lab-III (Instrumentation)	-	-	6	6	-	-	-	-	-	90	36	60	150	150	-
MTCEH- 0207	Lab-IV(Structural Software Engineering)	-	-	6	6	-	-	-	-	-	90	36	60	150	150	-
	Total	15	05	12	32	350	-	100	50	500	180	-	120	300	800	



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering

Department : Civil Engineering

Scheme of Course : M.Tech in STRUCTURAL ENGG.

Course Code : MTCES

Semester/Year :- 3 Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks										Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H=D+G)		
						End Sem.		Internal		Total (D=A+B+C)	End Sem.		Internal		Total (G=E+F)	
						Max (A)	Min	MST (B)	TW (C)		Max (E)	Min				
MTCES-0301	Elective-I	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0302	Elective-II	3	1	-	4	70	28	20	10	100	-	-	-	-	100	3 Hrs
MTCES - 0303	Project	-	-	4	4	-	-	-	-	-	100	30	-	100	100	-
MTCES - 0304	Dissertation Part-I (Literature Review/Problem Formulation/Synopsis)	-	-	8	8	-	-	-	-	-	120	48	80	200	200	
	Total	6	2	12	20	140	-	40	20	200	220	-	80	300	500	



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering

Department : Civil Engineering

Scheme of Course : M.Tech in STRUCTURAL ENGG.

Course Code : MTCES

Semester/Year :- 4 Sem

Paper / Subject Code	Title of the Paper / Subject	Credit Allotted			Total Credit	Distribution of Marks										Duration of Theory Exam
		L	T	P		Theory					Practical			Grand Total (H= D+G)		
						End Sem.		Internal		Total (D= A+B+C)	End Sem.		Internal		Total (G= E+F)	
						Max (A)	Min	MST (B)	TW (C)		Max (E)	Min				
MTCES - 0401	Dissertation Part- II	-	-	20	20	-	-	-	-	-	300	120	200	500	500	-
	Total	-	-	20	20	-	-	-	-	-	300	120	200	500	500	