SHIVAJI UNIVERSITY, KOLHAPUR

M.E. (Civil-Structures) Course

Semester I

Code No.	Subject	Teaching/Week					Examination Scheme				
		L	Pr	Tu	Dr	Total	Theory Paper work	Term Work			
								TW	POE	OE	Total
M1	Theory of Elasticity & Plasticity	3	-	1	-	4	100	25	-	-	125
M2	Mechanics of Structures	3	-	1	-	4	100	25	-	-	125
M3	Advanced Design of Concrete Structures	3	-	1	-	4	100	25	-	-	125
M4	Dynamics of Structures	3	-	1	-	4	100	25	-	-	125
M5	Elective I	3	-	1	-	4	100	25	-	-	125
M6	Seminar I	-	-	1*	-	1*	-	50	-	-	50
		15	-	6	-	21	500	175	-	-	675

*** Indicates load per candidate.**

Elective I

1. **Design of Foundations**
2. **Advances in Concrete Composites**
3. **Structural Optimization**

Semester II

Code No.	Subject	Teaching/Week					Examination Scheme				
		L	Pr	Tu	Dr	Total	Theory Paper work	Term Work			
								TW	POE	OE	Total
M7	Theory of Plates & Shells	3	-	1	-	4	100	25	-	-	125
M8	Finite Element Method	3	-	1	-	4	100	25	-	-	125
M9	Earthquake Engg.	3	-	1	-	4	100	25	-	-	125
M10	Advanced Design of Steel Structures	3	-	1	-	4	100	25	-	-	125
M11	Elective II	3	-	1	-	4	100	25	-	-	125
M12	Seminar II	-	-	1*	-	1*	-	50	-	-	50
		15	-	6	-	21	500	175	-	-	675

*** Indicates load per candidate.**

Elective II

1. **Stability of Structures**
2. **Design of R.C.C. Bridges**
3. **Structural Reliability**
4. **Design of Folded Plates & Shells**

Semester III

Code No.	Subject	Teaching/Week					Examination Scheme				
		L	Pr	Tu	Dr	Total	Theory Paper work	Term Work			
								TW	POE	OE	Total
M13	Lab Practice	-	1*	-	-	1*	-	50	-	-	50
M14	Dissertation Phase-I	-	3*	-	-	3*	-	100	-	-	100
		-	4*	-	-	4*	-	150	-	-	150

*** Indicates load per candidate.**

Semester IV

Code No.	Subject	Teaching/Week					Examination Scheme				
		L	Pr	Tu	Dr	Total	Theory Paper work	Term Work			
								TW	POE	OE	Total
M15	Dissertation Phase-II	-	5*	-	-	5*	-	100	-	200	300
		-	5*	-	-	5*	-	100	-	200	300

- **Indicates load per candidate.**