

SCHEME – SEMESTER WISE COURSE ALLOCATION

First Semester Outline

Sl No.	Subject Code	Topic	L	T	P	Credit Points
1	SCE101	Advanced Engineering Mathematics	3	1	0	4
2	SCE102	Industrial Management	4	0	0	4
3	SCE103	Advanced Structural Analysis	4	0	0	4
4	SCE104	Soil Structure Interaction	4	0	0	4
5	SCE105-	Discipline Elective-I	4	0	0	4
6	SCE191	Structural Laboratory I	0	0	3	2
7	SCE192	CAD LAB	0	0	3	2
8	SCE181	Seminar I	0	2	0	1
Total						25

Elective Subjects of First Semester

Sl No.	Subject Code	Topic	L	T	P	Credit Points
1	SCE105A	Bridge Engineering	4	0	0	4
2	SCE105B	Structural Optimization	4	0	0	4
3	SCE105C	Repair & Rehabilitation of Structures	4	0	0	4

Second Semester Outline

Sl No.	Subject Code	Topic	L	T	P	Credit Points
1	SCE201	Advanced Structural Design	3	1	0	4
2	SCE202	Structural Dynamics & Earthquake Engineering	4	0	0	4
3	SCE203	Theory of Elasticity & Plasticity	4	0	0	4
4	SCE204--	Discipline Elective-II	4	0	0	4
5	SCE205--	Discipline Elective-III	4	0	0	4
6	SCE292	Structural Laboratory II	0	0	3	2
8	SCE281	Seminar-Term Paper Leading to Project	0	2	0	1
Total						23

Elective Subjects of Second Semester

SI No.	Subject Code	Topic	L	T	P	Credit Points
1	SCE204A	Advanced Foundation Engineering	4	0	0	4
2	SCE204B	Prestressed Concrete Structures	4	0	0	4
3	SCE204C	Composite Materials & Structures	4	0	0	4
4	SCE205A	Environmental Impact Assessment	4	0	0	4
5	SCE205B	Advanced Concrete Technology	4	0	0	4
6	SCE205C	Construction Technology & Management	4	0	0	4
7	SCE204D	Theory of Elastic Stability & Behaviour of Metal Structures	4	0	0	4

Third Semester Outline

SI No.	Subject Code	Topic	L	T	P	Credit Points
1	SCE301	Teaching Research Methodologies	4	0	0	4
2	SCE381	Dissertation I /Project Viva	0	0	18	12
Total						16

Fourth Semester Outline

SI No.	Subject Code	Topic	L	T	P	Credit Points
1	SCE481	Dissertation I /Project Viva	0	0	24	20
Total						20