

AFFILIATED INSTITUTIONS
ANNA UNIVERSITY :: CHENNAI 600 025
REGULATIONS - 2013
M.E. STRUCTURAL ENGINEERING
I TO VI SEMESTERS (PART TIME) CURRICULUM

SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7154	Advanced Mathematical Methods	3	1	0	4
2.	ST7101	Concrete Structures	3	0	0	3
3.	ST7102	Structural Dynamics	3	0	0	3
TOTAL			9	1	0	10

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	ST7201	Finite Element Analysis	2	0	2	3
2.	ST7202	Experimental Techniques and Instrumentation	2	0	2	3
3.	ST7203	Steel Structures	3	0	0	3
TOTAL			7	0	4	9

SEMESTER III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	ST7103	Theory of Elasticity and Plasticity	3	0	0	3
2.		Elective I	3	0	0	3
3.		Elective II	3	0	0	3
TOTAL			9	0	0	9

SEMESTER IV

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	ST7204	Earthquake Analysis and Design of Structures	3	0	0	3
2.		Elective III	3	0	0	3
3.		Elective IV	3	0	0	3
PRACTICAL						
4.	ST7211	Advanced Structural Engineering Laboratory	0	0	4	2
TOTAL			9	0	4	11

SEMESTER V

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Elective V	3	0	0	3
2.		Elective VI	3	0	0	3
3.		Elective VII	3	0	0	3
PRACTICAL						
4.	ST7311	Seminar	0	0	2	1
5.	ST7312	Practical Training (4 Weeks)	-	-	-	1
6.	ST7313	Project Work (Phase I)	0	0	12	6
TOTAL			9	0	14	17

SEMESTER VI

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	ST7411	Project Work (Phase – II)	0	0	24	12
TOTAL			9	0	24	12

TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE: 68

LIST OF ELECTIVES

(Elective – I & II)

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	ST7001	Analysis and Design of Tall Buildings	3	0	0	3
2.	ST7002	Maintenance and Rehabilitation of Structures	3	0	0	3
3.	ST7003	Offshore Structures	3	0	0	3
4.	ST7004	Optimization of Structures	3	0	0	3
5.	ST7005	Matrix Methods for Structural Analysis	3	0	0	3
6.	CN7001	Advanced Concrete Technology	3	0	0	3

(Elective – III & IV)

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
7.	ST7006	Design of Bridges	3	0	0	3
8.	ST7007	Mechanics of Composite Materials	3	0	0	3
9.	ST7008	Pre-stressed Concrete	3	0	0	3
10.	ST7009	Wind and Cyclone Effects on Structures	3	0	0	3
11.	ST7010	Design of Sub Structures	3	0	0	3
12.	ST7011	Computer Aided Analysis and Design	3	0	2	4

(Elective – V, VI & VII)

SL. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
13.	ST7012	Design of Shell and Spatial Structures	2	0	2	3
14.	ST7013	Design of Steel Concrete Composite Structures	3	0	0	3
15.	ST7014	Industrial Structures	3	0	0	3
16.	ST7015	Nonlinear Analysis of Structures	3	0	0	3
17.	ST7016	Prefabricated Structures	3	0	0	3
18.	ST7017	Theory of Plates	3	0	0	3
19.	ST7018	Stability of Structures	3	0	0	3