

**AFFILIATED INSTITUTIONS**  
**ANNA UNIVERSITY :: CHENNAI 600 025**  
**REGULATIONS - 2013**

**M.E. SOIL MECHANICS AND FOUNDATION ENGINEERING**  
**I TO VI SEMESTERS (PART TIME) CURRICULUM**

**SEMESTER I**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1.	MA7154	Advanced Mathematical Methods	3	1	0	4
2.	SF7101	Theoretical Soil Mechanics	4	0	0	4
3.		Elective I	3	0	0	3
<b>TOTAL</b>			<b>10</b>	<b>1</b>	<b>0</b>	<b>11</b>

**SEMESTER II**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1.	SF7201	Shallow Foundations	3	0	0	3
2.	SF7202	Deep Foundations	3	0	0	3
3.	SF7203	Ground Improvement	3	0	0	3
<b>PRACTICAL</b>						
4.	SF7211	Advanced Soil Mechanics Laboratory I	0	0	4	2
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>4</b>	<b>11</b>

**SEMESTER III**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1.	SF7102	Strength and Deformation Behaviour of Soils	3	0	0	3
2.	SF7103	Soil properties and Behaviour	3	0	0	3
	SF7104	Subsurface Investigation and Instrumentation	3	0	0	3
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>0</b>	<b>9</b>

**SEMESTER IV**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1.	SF7204	Dynamics of Soils and Foundations	3	0	0	3
2.		Elective II	3	0	0	3
3.		Elective III	3	0	0	3
<b>PRACTICAL</b>						
4.	SF7311	Advanced Soil Mechanics Laboratory II	0	0	4	2
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>4</b>	<b>11</b>

**SEMESTER V**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1.		Elective IV	3	0	0	3
2.		Elective V	3	0	0	3
<b>PRACTICAL</b>						
3.	SF7312	Practical Training (4 weeks)	-	-	-	1
4.	SF7313	Project Work (Phase I)	0	0	12	6
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>12</b>	<b>13</b>

**SEMESTER VI**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>PRACTICAL</b>						
1.	SF7411	Project Work (Phase II)	0	0	24	12
<b>TOTAL</b>			<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>

**TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE:67**

**LIST OF ELECTIVES****(Elective - I)**

SL. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1.	SF7001	Earth Pressure and Earth Retaining Structures	3	0	0	3
2.	SF7002	Rock mechanics in engineering practice	3	0	0	3

**(Elective - II & III)**

SL. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
3.	SF7003	Earth and Rock Fill Dams	3	0	0	3
4.	SF7004	Reinforced Soil Structures	3	0	0	3
5.	SF7005	Finite Element Method and Applications	3	0	0	3
6.	SF7006	Geotechnical Earthquake Engineering	3	0	0	3

(Elective - IV & V)

SL. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
7.	SF7007	Pavement Engineering	3	0	0	3
8.	SF7008	Geo environmental Engineering	3	0	0	3
9.	SF7009	Soil Structure Interaction	3	0	0	3
10.	SF7010	Mechanics of Unsaturated Soils	3	0	0	3