ANNA UNIVERSITY CHENNAI :: CHENNAI 600 025

CURRICULUM 2004

B.E. CIVIL ENGINEERING

SEMESTER III

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
MA1201	Mathematics – III	3	1	0	100
CY1201	Environmental Science and Engineering	3	0	0	100
AG1201	Applied Geology	3	0	0	100
CE1201	Mechanics of Solids	3	1	0	100
CE1202	Mechanics of Fluids	3	1	0	100
CE1203	Construction Techniques, Equipment and Practice	4	0	0	100
CE1204	Surveying– I	3	0	0	100
PRACTICAL					
CE1205	Survey Practical – I	0	0	4	100
CE1206	Computer Aided Building Drawing	0	0	4	100

SEMESTER IV

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
MA1251	Numerical Methods	3	1	0	100
CE1251	Mechanics of Soils	3	0	0	100
CE1252	Strength of Materials	3	1	0	100
CE1253	Applied Hydraulic Engineering	3	1	0	100
CE1254	Surveying – II	3	0	0	100
CE1255	Highway Engineering	3	0	0	100
PRACTICAL					
CE1256	Strength of Materials Lab	0	0	3	100
CE1257	Hydraulic Engineering Laboratory	0	0	3	100
CE1258	Survey Practical – II	0	0	4	100
GE1302	Communication Skills and Seminar **	0	0	2	**

SEMESTER V

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
CE1301	Irrigation Engineering	4	0	0	100
CE1302	Structural Analysis – Classical methods	3	1	0	100
CE1303	Railways, Docks & Harbours and Airports	4	0	0	100
CE1304	Environmental Engineering	3	0	0	100
CE1305	Foundation Engineering	3	0	0	100
E1***	Elective – I	3	0	0	100
PRACTICAL					
CE1306	Environmental Engineering Laboratory	0	0	3	100
CE1307	Soil Engineering Laboratory	0	0	3	100
GE1303	Communication Skills and Technical Seminar **	0	0	2	**

SEMESTER VI

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
MG1351	Principles of Management	3	0	0	100
CE1351	Structural Analysis – Modern methods	3	1	0	100
CE1352	Design of Steel Structures	4	2	0	100
CE1353	Construction Planning & Scheduling	3	0	0	100
CE1354	Design of RC Elements	3	0	0	100
E2***	Elective – II	3	0	0	100
PRACTICAL					
CE1355	Irrigation Engineering Drawing	0	0	3	100
CE1356	Environmental Engineering Drawing	0	0	3	100
CE1357	Survey Camp	-	-	-	100
GE1351	Presentation Skills and Technical Seminar **	0	0	3	0

SEMESTER VII

(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
CE1401	Design of RC and Reinforced Brick Masonry Structures	4	2	0	100
CE1402	Estimation and Quantity Surveying	3	0	0	100
CE1403	Basics of Dynamics and Aseismic Design	3	0	0	100

CE1404	Building Services	3	0	0	100
E3***	Elective – III	3	0	0	100
E4***	Elective – IV				
PRACTICAL					
CE1405	Computer Aided Design and Drafting Laboratory	0	0	4	100
CE1406	Design Project	0	0	4	100

SEMESTER VIII
(Applicable to the students admitted from the Academic year 2006 – 2007 onwards)

Code No.	Course Title	L	T	P	M
THEORY					
CE1451	Engineering Economics and Cost Analysis	3	0	0	100
E5***	Elective – V	3	0	0	100
E6***	Elective – VI	3	0	0	100
PRACTICAL					
CE1452	Comprehension**	0	0	3	0
CE1453	Project Work	0	0	6	200

** No Examination

LIST OF ELECTIVES
SEMESTER V

Code No.	Course Title	L	T	P	M
MA1253	Probability and Statistics	3	0	0	100
CE1036	Architecture	3	0	0	100
GE1301	Professional Ethics and Human Values	3	0	0	100
CE1004	Remote Sensing Techniques and Applications	3	0	0	100
GE1001	Intellectual Property Rights (IPR)	3	0	0	100

SEMESTER VI

Code No.	Course Title	L	T	P	M
EC1022	Object Oriented Programming	3	0	0	100
GE1002	Indian Constitution and Society	3	0	0	100
CE1001	Hydrology	3	0	0	100
CE1003	Electronic Surveying	3	0	0	100
MG1401	Total Quality Management	3	0	0	100
CE1002	Cartography	3	0	0	100

SEMESTER VII

Code No.	Course Title	L	T	P	M
CE1005	Geographical Information System	3	0	0	100
GE1003	Contract Laws and Regulations	3	0	0	100
CE1006	Traffic Engineering Management	3	0	0	100
CE1007	Housing Planning & Management	3	0	0	100
CE1008	Habitat Systems and Design	3	0	0	100
CE1009	Ground Water Engineering	3	0	0	100
CE1010	Management of Irrigation Systems	3	0	0	100
CE1011	Coastal Zone Management	3	0	0	100
CE1012	Water Resources Engineering	3	0	0	100
CE1013	Pavement Engineering	3	0	0	100
CE1014	Ground Improvement Techniques	3	0	0	100
CE1015	Introduction to Soil Dynamics and Machine Foundations	3	0	0	100
CE1016	Rock Engineering	3	0	0	100
CE1017	Environmental Impact Assessment of Civil Engineering Projects	3	0	0	100
CE1018	Industrial Waste Management	3	0	0	100
CE1019	Air Pollution Management	3	0	0	100
CE1020	Municipal Solid Waste and Management	3	0	0	100
CE1021	Ecological Engineering	3	0	0	100

SEMESTER VIII

Code No.	Course Title	L	T	P	M
CE1022	Bridge Structures	3	0	0	100
CE1023	Storage Structures	3	0	0	100
CE1024	Design of Plate and Shell Structures	3	0	0	100
CE1025	Tall Buildings	3	0	0	100
CE1026	Structural Dynamics	3	0	0	100
CE1027	Prefabricated structures	3	0	0	100
CE1028	Wind Engineering	3	0	0	100
CE1029	Computer Aided Design of Structure	3	0	0	100
CE1030	Pre-stressed Concrete Structures	3	0	0	100
CE1031	Industrial Structures	3	0	0	100
CE1032	Smart Structures and smart Materials	3	0	0	100
CE1033	Finite Element Technique	3	0	0	100
CE1034	Earthquake Engineering	3	0	0	100
CE1035	Repair and Rehabilitation of Structures	3	0	0	100