Study Scheme B.Tech (WP-) Civil Engg

SEMESTER – III

Course Code	Course Title	L	T	P	Credits
UWME-301	Strength of Materials	3	1	0	4
UWCE-301	Surveying - I	3	0	0	3
UWCE-302	Building Materials & Construction Technology	3	0	0	3
UWPD-301	Communication Skills for Engineers	2	0	0	2
UWCE-303	Surveying - I Lab	0	0	2	1
UWCE-306	Industry field work	0	0	12	6
UWME-307	Strength of Materials Lab	0	0	2	1
UWPD-302	Communication Skills for Engineers Lab	0	0	2	1

Total Credits = 21

SEMESTER – IV

Course Code	Course Title	L	T	P	Credits
UWME-401	Fluid Mechanics	3	1	0	4
UWCE-402	Structural Analysis - I	3	0	0	3
UWCE-403	Surveying - II	3	0	0	3
UWES-401	Environment Science	3	0	0	3
UWME-405	Fluid Mechanics Lab	0	0	2	1
UWCE-406	Applied Industrial Practices	0	0	12	6
UWCE-407	Surveying - II Lab	0	0	2	1

Total Credits = 21

SEMESTER – V

Course Code	Course Title	L	T	P	Credits
UWCE-501	Structural Analysis - II	3	0	0	3
UWCE-502	Geotechnical Engineering	3	0	0	3
UWPD-501	Professional Communication	3	0	0	3
UWCE-504X	Elective - 1	3	0	0	3
UWCE-505	Geotechnical Engineering Lab	2	0	2	1
UWCE-506	Professional Practice & Industrial Assignment	0	0	12	6
UWPD-502	Professional Communication Lab	0	0	2	1

Total Credits = 20

SEMESTER – VI

Course Code	Course Title	L	T	P	Credits
UWCE-601	Hydraulics & Hydraulic Machinery	3	1	0	4
UWPD-601	Workplace Communication & Ethics	3	0	0	3
UWCE-603X	Elective -2	3	0	0	3
UWCE-604X	Elective -3	3	0	0	3
UWCE-605	Hydraulics Lab	0	0	2	1
UWCE-606	Industrial Case Study	0	0	12	6

Total Credits = 20

SEMESTER – VII

Course Code	Course Title	L	T	P	Credits
UWCE-701	Seminar on Emerging Technologies	0	0	4	2
UWCE-702	Industrial Training / OJT-I	0	0	16	8
UWCE-703	Minor Project	0	0	16	8
UWCE-704	Industry Certification Course	0	0	4	2

Total Credits = 20

SEMESTER – VIII

Course Code	Course Title	L	T	P	Credits
UWCE-801	Industrial Training / OJT-II	0	0	16	8
UWCE-802	Major Project	0	0	24	12

Total Credits = 20

Electives

Elective - 1	Elective - 2	Elective - 3
UWCE-504A: Design of RCC Structures	UWCE-603A: Transportation Engineering	UWCE-604A: Design of Steel Structures
UWCE-504B: Remote Sensing & GIS	UWCE-603B: Quality Control & Project Management	UWCE-604B: Environmental Engineering
UWCE-504C: Advanced Concrete Technology	UWCE-603C: Supply Chain Management in Construction	UWCE-604C: Instrumentation & Smart Structures
UWCE-504DA: Pavement Design & Management	UWCE-603D: Environmental Pollution Control	UWCE-604D: Building Information Modelling (BIM)

Note: L = Lecture hours/week, T = Tutorial hours/week, P = Practical hours/week.