

2018 scheme highlighting the employability courses with DS

Department of Civil Engineering

Details of 2018 Scheme

V Semester

Course Code	Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	*Max. Marks	Duration in Hrs.	Max. Marks	Duration in Hrs.
18UHUC500	HU	Management, Entrepreneurship and IPR	4 - 0 - 0	4	50	100	3	-	-
18UCVC500	PC	Structural Analysis-II	4 - 0 - 0	4	50	100	3	-	-
18UCVC501	PC	Design of RC Structural Elements	4 - 0 - 0	4	50	100	3	-	-
18UCVC502	PC	Geotechnical Engineering – I	3 - 0 - 0	3	50	100	3	-	-
18UCVC503	PC	Hydrology	3 - 0 - 0	3	50	100	3	--	--
18UCVE5XX	PE	Program Elective-1	3 - 0 - 0	3	50	100	3	--	--
18UCVL504	PC	Computer Aided Design Laboratory	0 - 0 - 3	1.5	50	--	--	50	3
18UCVL505	PC	Concrete and highway Laboratory	0 - 0 - 3	1.5	50	--	--	50	3
18UCVL506	PC	Minor Project-1	0 - 0 - 2	1	50	--	--	--	--
18UHUL507	HU	Soft skills/Aptitude	0 - 0 - 2	1	50	--	--	--	--
Total			21 - 0 - 10	26	500	600		100	

List of Program Elective 1

Course Code	Course Title
18UCVE515	Design of Masonry Structures
18UCVE516	Harbour, Dock & Tunnel Engineering
18UCVE517	Railway and Airport Engineering
18UCVE518	Watershed Management
18UCVE519	Alternative Building Materials
18UCVE520	Advanced Concrete Technology
18UCVE521	Photogrammetry and Remote Sensing

VI Semester

Course Code	Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	*Max. Marks	Duration in Hrs.	Max. Marks	Duration In Hrs.
18UCVC600	PC	Quantity Surveying and Estimation	4 - 0 - 0	4	50	100	3	-	-
18UCVC601	PC	Geotechnical Engineering - II	4 - 0 - 0	4	50	100	3	-	-
18UCVE6XX	PE	Program elective 1	3 - 0 - 0	3	50	100	3	-	-
18UCVE6XX	PE	Program elective 2	3 - 0 - 0	3	50	100	3	-	-
18UCVO6XX	OE	Open Elective 1	3 - 0 - 0	3	50	100	3	--	--
18UCVL602	PC	Geotechnical Engineering Laboratory	0 - 0 - 3	1.5	50	--	--	50	3
18UCVL603	PC	Software Laboratory	0 - 0 - 3	1.5	50	--	--	50	3
18UCVL604	PC	Minor Project 2 (Extensive Survey project)	0 - 0 - 4	2	50	--	--	50	3
18UHUL605	HU	Soft skills/Aptitude	0 - 0 - 2	1	50	--	--	--	--
Total			17 - 0 - 12	23	450	500		150	

PC- Program Core, PE-Program Elective, HU- Humanities

List of Program Electives

Course Code	Course Title
18UCVE615	Matrix Method of Structural Analysis
18UCVE616	Design of Special RC Structures
18UCVE617	Advanced Structural Analysis
18UCVE619	Open channel Hydraulics

List of Open Elective

Course Code	Course Title
18UCVO601	Traffic Engineering

VII Semester B. E.

Course Code	Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	*Max. Marks	Duration in Hrs.	Max. Marks	Duration In Hrs.
18UCVC700	PC	Wastewater Engineering	4 - 0 - 0	4	50	100	3	-	-
18UCVC701	PC	Design of Steel Structures	4 - 0 - 0	4	50	100	3	-	-
18UCVE7XX	PE	Program Elective-4	3 - 0 - 0	3	50	100	3	-	-
18UCVO7XX	OE	Open Elective 2	3 - 0 - 0	3	50	100	3	--	--
18UCVL702	PC	Major Project Phase-1	0 - 0 - 4	2	50	--	--	50	3
18UCVL703	PC	Internship	4 w e e k s	2	50	--	--	50	3
18UCVL704	PC	Environmental Engineering Laboratory	0 - 0 - 2	1	50	--	--	50	3
Total			14 - 0 - 6	19	350	400		150	

PC- Program Core, PE-Program Elective, OE- Open Elective and HU- Humanities,

List of Elective Courses

Course Code	Course Title
18UCVE714	Advanced design of RC Structures
18UCVE715	Introduction to Bridge Engineering
18UCVE716	Structural Dynamics
18UCVE718	Advanced Foundation Design
18UCVE724	Construction Contract Management
18UCVE725	Earthquake resistant structures
18UCVE726	Construction Equipment and Management
18UCVE727	Design of Prestressed Concrete Structures
18UCVE728	Urban Transport Planning

List of Open Elective Course

Course Code	Course Title
18UCVO701	Introduction to law for Engineers

VIII Semester B. E.

Course Code	Course Category	Course Title	Teaching		Examination				
			L-T-P (Hrs/Week)	Credits	CIE	Theory (SEE)		Practical (SEE)	
					Max. Marks	*Max. Marks	Duration in Hrs.	Max. Marks	Duration In Hrs.
18UCVC800	PC	Water resources Engineering	4 - 0 - 0	4	50	100	3	-	-
18UCVE8XX	PE	Program Elective-5	3 - 0 - 0	3	50	100	3	-	-
18UCVO8XX	OE	Open Elective 3	3 - 0 - 0	3	50	100	3	--	--
18UCVL801	PC	Technical Seminar	0 - 0 - 2	1	50	--	--	--	--
18UCVL802	PC	Major Project Phase-2	0 - 0 - 12	7	50	--	--	50	3
Total			10 - 0 - 14	18	250	300	--	50	--

PC- Program Core, PE-Program Elective and OE- Open Elective

List of Elective Courses

Course Code	Course Title
18UCVE818	Principles and Practice of Construction Project Management
18UCVE819	Ground Improvement Techniques
18UCVE825	Design of Reinforced Concrete Bridges
18UCVE826	Solid Waste Management
18UCVE827	Air Pollution Control
18UCVE828	Advanced Design of Steel Structure

List of employability courses (2018 Scheme)

Course Code	Course Title	Semester
18UHUC500	Management, Entrepreneurship and IPR	V
18UCVL603	Software Laboratory	VI
18UHUL605	Soft skills/Aptitude	VI
18UCVE818	Principles and Practice of Construction Project Management	VIII