

(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

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B.Tech. Civil Engineering

Sr. No.	Br.	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)		Total no. of Hours per semester	CIE	SEE		Total
							L	T	P	SL						
1	CE	III	V	CEUL501	Structural Analysis-II	PCC	45	0	0	45	90	3	40	60	100	3
2	CE	III	V	CEUL502	Geotechnical Engineering	PCC	45	0	0	45	90	3	40	60	100	3
3	CE	III	V	CEUL503	Design of Reinforced Concrete Elements	PCC	45	0	0	45	90	3	40	60	100	3
4	CE	III	V	CEUL504	Highway and Traffic Engineering	PCC	45	0	0	45	90	3	40	60	100	3
5	CE	III	V	CEUL511	Air and Noise Pollution Control	PEC	45	0	0	45	90	3	40	60	100	3
				CEUL512	Solid and Hazardous Waste Management	PEC	45	0	0	45	90	3	40	60	100	
				CEUL513	Environmental Impact Assessment	PEC	45	0	0	45	90	3	40	60	100	
6	CE	III	V	XXUL60X	Open Elective - I	OEC	45	0	0	45	90	3	40	60	100	3
				XXUL60X	Open Elective - II	OEC	45	0	0	45	90	3	40	60	100	
7	CE	III	V	CEUP520	Geotechnical Engineering Lab - I	PCC	0	0	30	-	30	3	60	40	100	1
8	CE	III	V	CEUP521	Concrete Structures Design	PCC	0	0	30	-	30	3	60	40	100	1
9	CE	III	V	CEUP522	Road Material Testing Lab	PCC	0	0	30	-	30	3	60	40	100	1
10	CE	III	V	CEUT530	Industrial Training	PSIT	0	0	30	30	60	3	60	40	100	2
11	CE	III	V	CEUA500	Social Outreach, Discipline & Extra Curricular Activities	SODECA	-	-	-	-	-	-	-	-	100	0.5
12	CE	III	V	NU99.6/NU99.7	Disaster Management and Preparedness/ Indian Constitution	NC	-	-	-	-	-	-	40	60	100	0
Total																23.5

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							Classroom Instruction (CI) (in hours per semester)	Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester		CIE	SEE	Total		
L	T	P	SL													
1	CE	III	VI	CEUL601	Design of Steel Structures	PCC	45	0	0	45	90	3	40	60	100	3
2	CE	III	VI	CEUL602	Railway and Airport Engineering	PCC	45	0	0	45	90	3	40	60	100	3
3	CE	III	VI	CEUL603	Water Resources Engineering	PCC	45	0	0	45	90	3	40	60	100	3
4	CE	III	VI	CEUL611	Repair and Rehabilitation of Structures	PEC	45	0	0	45	90	3	40	60	100	3
	CEUL612			Town Planning	PEC	45	0	0	45	90	3	40	60	100		
	CEUL613			Application of Artificial Intelligence in Civil Engineering	PEC	45	0	0	45	90	3	40	60	100		
5	CE	III	VI	CEUL614	Bridge Engineering	PEC	45	0	0	45	90	3	40	60	100	3
	CEUL615			Foundation Engineering	PEC	45	0	0	45	90	3	40	60	100		
	CEUL616			Earthquake Engineering	PEC	45	0	0	45	90	3	40	60	100		
6	CE	III	VI	XXUL60X	Open Elective - I	OEC	45	0	0	45	90	3	40	60	100	3
	CE			XXUL60X	Open Elective - II	OEC	45	0	0	45	90	3	40	60	100	
7	CE	III	VI	CEUP620	Steel Structures Design	PCC	0	0	30	-	30	3	60	40	100	1
8	CE	III	VI	CEUP621	Water Resources Engineering Design	PCC	0	0	30	-	30	3	60	40	100	1
9	CE	III	VI	CEUP622	Geotechnical Engineering Lab - II	PCC	0	0	30	-	30	3	60	40	100	1
10	CE	III	VI	CEUP623	Advanced Concrete Structures Design	PCC	0	0	30	-	30	3	60	40	100	1
11	CE	III	VI	CEUP624	Estimating and Costing	PCC	0	0	30	-	30	3	60	40	100	1
12	CE	III	VI	CEUA600	Social Outreach, Discipline & Extra Curricular Activities	SODECA	-	-	-	-	-	-	-	-	100	0.5
13	CE	III	VI	NU99.7/NU99.6	Indian Constitution/ Disaster Management and Preparedness	NC	-	-	-	-	-	-	40	60	100	0
Total																23.5