

**DEPARTMENT OF CONSTRUCTION ENGINEERING**  
**CURRICULUM OF 2<sup>ND</sup> TO 4<sup>TH</sup> YEAR OF THE**  
**UNDERGRADUATE ENGINEERING DEGREE PROGRAMME**

**SECOND YEAR FIRST SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
FET/BS/B/Math/T/211	Mathematics -III	BS	B	2	1	0	3	100
CON/PC/B/T/212	Strength of Materials	PC	B	3	0	0	3	100
CON/PC/B/T/213	Materials of Construction	PC	B	3	0	0	3	100
CON/PC/B/TS/214	Surveying	PC	B	3	0	2	4	100
CON/ES/B/PE/TS/215	Hydraulics	ES	B	3	0	2	4	100
CON/BS/B/Geo/TS/216	Engineering Geology	BS	B	2	0	2	3	100
CON/PC/B/S/211	Civil Engg. Drawing	PC	B	0	0	4	2	100
CON/PC/B/S/212	Survey Sessional & Camp	PC	B	0	0	03	1.5	100
Total							23.5	800

**SECOND YEAR SECOND SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
CON/PC/B/T/221	Theory of Structure-I	PC	B	3	0	0	3	100
CON/PC/B/T/222	Design of Structure-I (Steel)	PC	B	3	0	0	3	100
CON/PC/B/T/223	Soil Mechanics-I	PC	B	3	0	0	3	100
CON/PC/B/T/224	Concrete Technology	PC	B	3	0	0	3	100
CON/PC/B/T/225	Construction Management-I	PC	B	3	0	0	3	100
CON/PC/B/T/226	Construction Plants & Process	PC	B	4	0	0	4	100
CON/PC/B/S/221	Material Laboratory	PC	B	0	0	3	1.5	100
CON/PC/B/S/222	Computer Aided Civil Engg Drawing	PC	B	0	0	3	1.5	100
CON/PC/B/S/223	Structural Laboratory	PC	B	0	0	3	1.5	100
Total							23.5	900

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**THIRD YEAR FIRST SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
CON/PC/B/T/311	Theory of Structure-II	PC	B	3	01	-	4	100
CON/PC/B/T/312	Design of Structure-II (Concrete)	PC	B	3	-	-	3	100
CON/PC/B/T/313	Soil Mechanics-II	PC	B	3	-	-	3	100
CON/PC/B/T/314	Transportation Engineering	PC	B	3	-	-	3	100
CON/PC/B/T/315	Water Resources & Irrigation Engg	PC	B	3	-	-	3	100
CON/PC/B/T/316	Environmental Engineering	PC	B	3	-	-	3	100
CON/PC/B/S/311	Concrete Laboratory	PC	B	-	-	3	1.5	100
CON/PC/B/S/312	Structural Design Sessional-I (Steel)	PC	B	-	-	4	2	100
CON/PC/B/S/313	Soil Mechanics Laboratory	PC	B	-	-	3	1.5	100
Total							24	900

**THIRD YEAR SECOND SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
CON/PC/B/T/321	Bridge Engineering	PC	B	3	-	-	3	100
CON/PC/B/T/322	Foundation Engineering	PC	B	3	-	-	3	100
CON/PC/B/T/323	Design of Structure-III (High Rise)	PC	B	3	-	-	3	100
CON/PC/B/T/324	Estimating & Pricing	PC	B	3	-	-	3	100
CON/PC/B/T/325	Highway Engineering	PC	B	3	-	-	3	100
CON/PC/B/T/326	Pre-cast & Pre-stressed Concrete	PC	B	3	-	-	3	100
CON/PC/B/S/321	Structural Design Sessional –II (concrete)	PC	B	-	-	4	2	100
CON/PC/B/S/322	Highway Laboratory	PC	B	-	-	3	1.5	100
CON/PS/B/S/323	Literature Review & Seminar Presentation	PS	B	-	-	3	1.5	100
Total							23	900

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**FOURTH YEAR FIRST SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	P		
CON/PC/B/T/411	Construction Management-II	PC	B	3	0	0	3	100
CON/PC/B/T/412	Underground Construction	PC	B	3	0	0	3	100
CON/PC/B/T/413	Earthquake Engineering	PC	B	3	1	0	4	100
	<b><i>Elective-I :</i></b>							
CON/PE/H/T/414A	Advance Foundation Technique	PE	H	3	1	0	4	100
CON/PE/H/T/414B	Advance Transportation Engineering							
	<b><i>Elective - II:</i></b>							
CON/PE/H/T/415A	Fabrication Technology	PE	H	3	1	0	4	100
CON/PE/H/T/415B	Construction Quality & Safety Management							
	Open Elective I	OE	B	3	0	0	3	100
CON/PC/B/S/411	Structural Design project	PC	B	0	0	4	2	100
CON/PC/B/S/412	Estimating & Pricing Sessional	PC	B	0	0	3	1.5	100
Total							24.5	800

**FOURTH YEAR SECOND SEMESTER**

Subject Code	Subject Name	Category	Type	Contact			Credit	Marks
				L	T	S		
CON/PC/B/T/421	Repair Rehabilitation and Maintenance of Structure	PC	B	3	0	0	3	100
	<b><i>Elective-III:</i></b>							
CON/PE/H/T/422A	Advanced Concrete Technology	PE	H	3	1	0	4	100
CON/PE/H/T/422B	Alternative Materials & Sustainable Construction							
	<b><i>Elective-IV:</i></b>							
CON/PE/H/T/423A	Advanced Environmental Engineering	PE	H	3	1	0	4	100
CON/PE/H/T/423B	Disaster Mitigation Engineering							
	<b><i>Elective-V:</i></b>							
CON/PE/H/TS/424A	Computer Aided Structural Analysis and Design	PE	H	2	0	4	4	100
CON/PE/H/TS/424B	Computer Aided Construction Management							
	Open Elective II	OE	B	3	0	0	3	100
CON/PS/B/S/421	Project on Construction Management	PS	B	0	0	4	2	100
CON/PS/B/S/422	Grand Viva	PS	B	0	0	0	0	100
Total							20	700