



VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

(Established by Rajasthan State Legislature and covered u/s 2(f) of the UGC Act, 1956)

FACULTY OF ENGINEERING & TECHNOLOGY

SCHEME & SYLLABUS

FOR

Diploma (Civil Engineering)

(Implemented from Academic Session 2018-19 and also for students Admitted in 2016-17, 2017-18)

Semester	III	IV	V	VI	Total
Credits	24.5	22.5	23	21	91

Total Credits: 49 (I & II Semester) + 91 (III to VII Semester) = 140

SESSION: 2018-19

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VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN CIVIL ENGINEERING

(Implemented from Academic Session 2018-19 and also for students Admitted in 2016-17, 2017-18)

III SEMESTER

Sr. No.	Subject Code	Subject Title	Teaching Hours (per week)			Credits
			Theory	Tutorial	Practical/ Sessional	
1	DCE 301	Strength of Materials	3	1	--	3.5
2	DCE 302	Surveying - I	3	--	--	3
3	DCE 303	Construction Materials	3	--	--	3
4	ENG 108	Technical Communication	2	--	--	2
5	DCE 305	Building Construction	3	-	--	3
6	DCE 306	Hydraulics	3	1	--	3.5
7	DCE 307	Strength of Materials Lab	--	--	2	1
8	DCE 308	Surveying Lab-I	--	--	3	1.5
9	DCE 309	Construction Materials Lab	--	--	2	1
10	DCE 310	Building Construction Lab	--	--	2	1
11	DCE 311	Hydraulics Lab	--	--	2	1
12	DCE 312	Auto CAD-I	--	--	2	1
Total			17	2	13	24.5

IV SEMESTER

Sr. No.	Subject Code	Subject Title	Teaching Hours (per week)			Credits
			Theory	Tutorial	Practical/ Sessional	
1	DCE 401	Concrete Technology	3		---	3
2	DCE 402	Surveying - II	3		---	3
3	DCE 403	Fluid Mechanics	3	1	---	3.5
4	DCS 402	Computer Programming Using C	2	1	---	2.5
5	DCE 405	Irrigation Engineering	3	---	---	3
6	DCE 406	Civil Engineering Drawing –I	--	---	2	1
7	DCE 407	Concrete Technology Lab	---	---	2	1
8	DCE 408	Surveying Lab-II			3	1.5
9	DCS 406	Computer Programming Using C Lab	---	---	4	2
10	DCE 410	Industrial Visit	---	---	2	1
11	DCE 411	Auto CAD-II	---	---	2	1
Total			14	2	15	22.5

V SEMESTER

Sr. No.	Subject Code	Subject Title	Teaching Hours (per week)			Credits
			Theory	Tutorial	Practical/ Sessional	
1	DCE 501	Elements of RCC Design	3	1	-	3.5
2	DCE 502	Transportation Engineering	3	1	-	3.5
3	DCE 503	Soil and Foundation Engineering	3	1	-	3.5
4	DCE 504	Structural Mechanics	3	1	-	3.5
5		Department Elective-I	3	-	-	3
6	DCE 506	Civil Engineering Drawing – II	-	-	2	1
7	DCE 507	Soil and Foundation Engineering Lab	-	-	2	1
8	DCE 508	Structural Mechanics Lab	-	-	2	1
9	DCE 509	Project Work and Industrial visit-I	-	-	6	3
Total			15	4	12	23

VI SEMESTER

Sr. No.	Subject Code	Subject Title	Teaching Hours (per week)			Credits
			Theory	Tutorial	Practical/ Sessional	
1	DCE 601	Earthquake Resistant Building Construction	3	1	-	3.5
2	DCE 602	Elements of Steel Structural Design	3	1	-	3.5
3	DCE 603	Environmental Education	3	-	-	3
4	DCE 604	Repair And Rehabilitation Of Buildings	3	-	-	3
5		Department Elective-II	3	-	-	3
6	DCE 606	Earthquake Resistant Building Construction Lab	-	-	2	1
7	DCE 607	Civil Engineering Drawing - III	-	-	2	1
8	DCE 608	Project Work and Industrial visit-II	-	-	6	3
Total			15	2	10	21

Department Elective-I

Code	Subject	L	T	P/D	Credits
DCE 505	Environmental Engineering	3	-	-	3
DCE 511	Prestressed Concrete	3	-	-	3
DCE 512	Quantity Surveying & Valuation	3	-	-	3

Department Elective-II

Code	Subject	L	T	P/D	Credits
DCE 605	Industrial Management	3	-	-	3
DCE 610	Disaster Management	3	-	-	3
DCE 611	Solid Waste Management	3	-	-	3