

Silver Oak University

College of Technology (01)
Department Name: Civil Engineering (003)
Diploma Engineering (02)

Effective From: 2020-2021

Sr No	Subject Code	Subject Name	Category	Teaching Scheme					Evaluation Scheme				Total Marks	
				L.	T.	P.	Contact Hours	Credit	CIE(TH)	CIE(PR)	ESE(TH)	ESE(PR)		
Semester 1														
0	1010002196	Induction Programme - Prarambh	Mandatory Course	0	0	0	0	0	0	0	0	0	0	0
1	1010272101	Mathematics-I	Basic Science courses	2	2	0	4	4	40	0	60	0	100	
2	1010252103	Applied Physics-I	Basic Science courses	3	0	2	5	4	40	20	60	30	150	
3	1010152181	English	Humanities and Social Sciences	2	0	2	4	3	40	20	60	30	150	
4	1010122111	Engineering Graphics	Engineering Science Course	2	0	4	6	4	40	20	60	30	150	
5	1010122112	Engineering Workshop Practice	Engineering Science Course	0	0	4	4	2	0	40	0	60	100	
6	1010032196	Environmental Science	Mandatory Course	2	1	0	3	0	40	0	60	0	100	
Total				11	3	12	26	17					750	
Semester 2														
1	1010272102	Mathematics-II	Basic Science courses	2	2	0	4	4	40	0	60	0	100	
2	1010252104	Applied Physics-II	Basic Science courses	3	0	2	5	4	40	20	60	30	150	
3	1010152182	Communication Skills and Personality Development	Humanities and Social Sciences	1	0	2	3	2	40	20	60	30	150	
4	1010122113	Engineering Mechanics	Engineering Science Course	3	0	2	5	4	40	20	60	30	150	
5	1010042112	Introduction to IT Systems & Programming	Engineering Science Course	2	0	4	6	4	40	20	60	30	150	
6	1010262105	Applied Chemistry	Basic Science courses	3	0	2	5	4	40	20	60	30	150	
Total				14	2	12	28	22					850	
Semester 3														
1	1010032216	Hydraulics & Fluid Mechanics	Professional Core Course	4	0	2	6	5	40	20	60	30	150	
2	1010032217	Engineering Survey	Professional Core Course	3	0	2	5	4	40	20	60	30	150	
3	1010032218	Structural Mechanics	Professional Core Course	4	0	2	6	5	40	20	60	30	150	
4	1010032219	Building Construction Technology	Professional Core Course	3	0	2	5	4	40	20	60	30	150	
5	1010032220	Geotechnical Engineering	Professional Core Course	3	0	2	5	4	40	20	60	30	150	
Total				17	0	10	27	22					750	
Semester 4														
1	1010032221	Building & Town Planning with Computer Aided Drawing	Professional Core Course	3	0	2	5	4	40	20	60	30	150	
2	1010032222	Structural Analysis	Professional Core Course	3	2	0	5	5	40	20	60	30	150	
3	1010032223	Basic Transportation Engineering	Professional Core Course	3	0	2	5	4	40	20	60	30	150	
4	1010032236	Environmental Engineering & Pollution Control	Professional Elective Course -I	3	0	2	5	4	40	20	60	30	150	
5	1010032237	Water Resources Management	Professional Elective Course -I	3	0	2	5	4	40	20	60	30	150	
6	1010032238	Soil Mechanics	Professional Elective Course -II	3	0	2	5	4	40	20	60	30	150	
7	1010032239	Advanced Surveying	Professional Elective Course -II	3	0	2	5	4	40	20	60	30	150	
8	1010032261	Railway & Bridge Engineering	Open Elective - I	3	0	0	3	3	40	0	60	0	100	
9	1010032262	Engineering Geology	Open Elective - I	3	0	0	3	3	40	0	60	0	100	
10	1010002291	Problem Based Learning -I	Project Work	0	0	2	2	1	0	40	0	60	100	
Total				18	2	10	30	25					950	

Semester 5													
1	1010032316	Concrete Technology	Professional Core Course	3	0	2	5	4	40	20	60	30	150
2	1010032317	Estimating , Costing & Valuation	Professional Core Course	3	1	0	4	4	40	20	60	30	150
3	1010032318	Design of Structure -RCC & STEEL	Professional Core Course	4	1	0	5	5	40	20	60	30	150
5	1010032336	Advance Construction Techniques & Equipment	Professional Elective-III	3	1	0	4	4	40	20	60	30	150
6	1010032337	Maintenance and Rehabilitation of Structures	Professional Elective-III	3	1	0	4	4	40	20	60	30	150
7	1010032338	Urban Transport System Planning	Professional Elective-IV	2	1	0	3	3	40	0	60	0	100
8	1010032339	Plumbing Services	Professional Elective-IV	2	1	0	3	3	40	0	60	0	100
9	1010032340	Construction Works Management	Professional Elective-V	3	1	0	4	4	40	20	60	30	150
10	1010032341	Irrigation & Water Management	Professional Elective-V	3	1	0	4	4	40	20	60	30	150
11	1010002391	Problem Based Learning-II	Project Work	0	0	2	2	1	0	40	0	60	100
12	1010032391	Internship	Project Work	0	0	0	0	1	0	40	0	60	100
Total				18	5	4	27	26	Total Marks				1050
Semester 6													
1	1010032392	Project	Project Work	0	0	20	20	10	0	40	0	60	100
2	1010342381	Employability Enhancement & Job Skills	Humanities and Social Sciecnce	0	1	0	1	1	0	40*	0	60*	100
Total				0	1	20	21	11	Total Marks				200