

Silver Oak University
 College Of Technology(01)
 Department Of Mechanical Engineering (012)
 DIPLOMA (02)
 Effective From: 2020-21

Sr No	Subject Code	Subject Name	Category	Teaching Scheme				Evaluation Scheme				Total Marks
				L.	T.	P.	Credit	CIE (TH)	CIE (PR)	ESE (TH)	ESE (PR)	
Semester 1												
1	1010122111	Engineering Graphics	Engineering Science	2	0	4	4	40	20	60	30	150
2	1010272101	Mathematics-I	Basic Science	2	2	0	4	40	-	60	-	100
3	1010252103	Applied Physics-I	Basic Science	3	0	2	4	40	20	60	30	150
4	1010262105	Applied Chemistry	Basic Science	3	0	2	4	40	60	20	30	150
5	1010152181	English	HSS	2	0	2	3	40	20	60	30	150
6	1010122112	Engineering Workshop Practice	Engineering Science	0	0	4	2	-	40	-	60	100
7	1010002196	Induction Programme	#Mandatory	0	0	0	0	-	-	-	-	-
TOTAL				12	2	14	21					800
Semester 2												
8	1010272102	Mathematics-II	Basic Science	2	2	0	4	40	60	-	-	100
9	1010252104	Applied Physics-II	Basic Science	3	0	2	4	40	60	20	30	150
10	1010152182	Communication Skills and Personality Development	HSS	1	0	2	2	40	20	60	30	150
11	1010032196	Environmental Science	#Mandatory	2	1	0	0	40	-	60	-	100
12	1010122113	Engineering Mechanics	Engineering Science	3	0	2	4	40	20	60	30	150
13	1010042112	Introduction to IT Systems & Programming	Engineering Science	2	0	4	4	40	20	60	30	150
TOTAL				13	3	10	18					800
Semester 3												
14	1010122216	Manufacturing Technology-I	Professional Core Courses	3	0	2	4	40	20	60	30	150
15	1010122217	Strength of Material	Professional Core Courses	3	0	2	4	40	20	60	30	150
16	1010122218	Fluid Mechanics and Hydraulic Machines	Professional Core Courses	4	0	2	5	40	20	60	30	150
17	1010122219	Metrology and Instrumentation	Professional Core Courses	3	0	2	4	40	20	60	30	150
18	1010122220	Computer Aided Modeling and Drafting	Professional Core Courses	0	0	4	2	0	40	0	60	100
19	1010122211	Material Science and Metallurgy	Engineering Science	3	0	2	4	40	20	60	30	150
TOTAL				16	0	14	23					850

Semester 4												
20	1010122221	Thermodynamics	Professional Core Courses	3	1	0	4	40	-	60	-	100
21	1010122222	Machine Design-I	Professional Core Courses	4	1	0	5	40	-	60	-	100
22	1010122223	Computer Aided Design and manufacturing	Professional Core Courses	3	0	2	4	40	20	60	30	150
23	1010122236	Industrial Engineering	Program Elective I	3	0	0	3	40	-	60	-	100
24	1010122237	Estimating, Costing And Engineering Contracting	Program Elective I	3	0	0	3	40	-	60	-	100
25	1010122238	Operation and Product management	Program Elective I	3	0	0	3	40	-	60	-	100
26	1010122239	Oil Hydraulics and Pneumatics	Program Elective II	3	0	2	4	40	20	60	30	150
27	1010122240	Industrial Automation	Program Elective II	3	0	2	4	40	20	60	30	150
28	1010082262	Basic Electronics	Open Elective I	3	0	2	4	40	20	60	30	150
29	1010042265	Introduction to Python Programming	Open Elective I	3	0	2	4	40	20	60	30	150
30	1010042266	Object Oriented Programming with C++	Open Elective I	3	0	2	4	40	20	60	30	150
31	1010002291	Problem Based Learning -I	Project	0	0	2	1	-	40	-	60	100
TOTAL				19	2	8	25					850
Semester 5												
32	1010122316	Machine Design-II	Professional Core Courses	4	1	0	5	40	-	60	-	100
33	1010122317	Kinematics and Dynamics of Machines	Professional Core Courses	4	0	2	5	40	20	60	30	150
34	1010122318	Thermal Engineering	Professional Core Courses	3	0	2	4	40	20	60	30	150
35	1010122336	Manufacturing technology-II	Program Elective III	3	0	2	4	40	20	60	30	150
36	1010122337	Smart Manufacturing	Program Elective III	3	0	2	4	40	20	60	30	150
37	1010122338	Production Technology	Program Elective III	3	0	2	4	40	20	60	30	150
38	1010122339	I. C. Engine and Automobile	Program Elective IV	3	0	2	4	40	20	60	30	150
39	1010122340	Fundamentals of turbo machines	Program Elective IV	3	0	2	4	40	20	60	30	150
40	1010122341	Industrial Safety and Maintenance Engineering	Program Elective V	3	0	0	3	40	0	60	0	100
41	1010122342	Conventional and Non Conventional Engineering	Program Elective V	3	0	0	3	40	0	60	0	100
42	1010002391	Problem Based Learning-II	Project	0	0	2	1	-	40	-	60	100
43	1010122392	Internship	Project	0	0	0	1	-	40	-	60	100
TOTAL				20	1	10	27					1000
Semester 6												
44	1010122393	Project	PROJECT	0	0	20	10	-	40	-	60	100
45	1010342381	Employability Enhancement & Job Skills	HSS	0	1	0	1	-	*40	-	*60	100
TOTAL				0	1	20	11					200