

Silver Oak University

College Of Technology(01)

Department Of Mechanical Engineering (012)

Mtech ME(07)

Effective From: 2021-22

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	1010127101	Advance Fluid Mechanics	Professional Core Courses	3	0	2	4	40	20	60	30	150
2	1010127102	Advanced Thermodynamics and Combustion	Professional Core Courses	3	0	2	4	40	20	60	30	150
3	1010127103	Computational Methods	Professional Core Courses	3	0	2	4	40	20	60	30	150
4	1010127136	Alternative Fuel and Emission	Program Elective 1	3	0	2	4	40	20	60	30	150
5	1010127137	Automobile Engineering Maintenance	Program Elective 1	3	0	2	4	40	20	60	30	150
6	1010127138	Fundamentals of I.C.Engine & Automobile	Program Elective 1	3	0	2	4	40	20	60	30	150
7	1010007196	Research Methodology	Mandatory Course	2	0	0	2	0	20	0	80	100
Total				20	0	12	26					1000
Semester 2												
1	1010127104	Automobile Engineering System Design	Professional Core Courses	3	0	2	4	40	20	60	30	150
2	1010127105	Experimental Techniques and Instrumentations in Automobile Engineering	Professional Core Courses	3	0	2	4	40	20	60	30	150
3	1010127106	Vehicle Dynamics	Professional Core Courses	3	2	0	5	40	20	60	30	150
4	1010127139	Automotive Chassis and Body Engineering	Program Elective 2	3	0	2	4	40	20	60	30	150
5	1010127140	Design and Optimization of Thermal Systems	Program Elective 2	3	0	2	4	40	20	60	30	150
6	1010127141	Automotive Manufacturing	Program Elective 2	3	0	2	4	40	20	60	30	150
7	1010127191	Mini Project With Seminar	Seminar	0	0	4	2	0	100	0	0	100
Total				18	2	14	27					1000
Semester 3												
1	1010127236	Electric Vehicle Technology	Program Elective 3	3	0	2	4	40	20	60	30	150
2	1010127237	Modern Vehicle Design	Program Elective 3	3	0	2	4	40	20	60	30	150
3	1010127238	I.C. Engine Modeling & Simulation	Program Elective 3	3	0	2	4	40	20	60	30	150
4	1010127291	Dissertation Phase-I	Dissertation	0	0	24	12	0	40	0	60	100
Total				9	0	30	24					550
Semester 4												
1	1010127292	Dissertation Phase-II	Dissertation	0	0	30	15	0	40	0	60	100
Total				0	0	30	15					100