

Course Book (2020-21 Even Semester, January - June 2020)

Mechanical Engineering

S2 ME

Code	Title	LTP	Cr	ES
19ENG111	Technical Communication	2 0 3	3	A
19MAT114	Differential Equation and Transforms	3 1 0	4	B
19BIO111	Biology for Engineers - B	2 0 0	2	C
19CHY101	Engineering Chemistry - A	2 1 0	3	D
19CHY181	Engineering Chemistry Lab - A	0 0 3	1	L1
19CSE102	Computer Programming	3 0 3	4	E
19MEE182	Computer Aided Drafting	0 0 3	1	L3
19MEE111	Engineering Mechanics	3 1 0	4	F
19MEE181	Manufacturing Practice	0 0 3	1	L2
19CUL111	Cultural Education - II	2 0 0	2	G

S4 ME

Code	Title	LTP	Cr	ES
19MEE211	Computational Methods in Engineering	2 0 3	3	A
19MEE212	Fluid Mechanics and Machinery	3 1 0	4	B
19MEE213	Heat Power Engineering	3 1 0	4	C
19MEE214	Kinematics of Machines	3 0 3	4	D
19MEE215	Manufacturing Process II	2 0 3	3	E
19MEE284	Thermal Science Laboratory	0 0 3	1	L2
19MEE283	Fluid Mechanics and Machines Lab	0 0 3	1	L1
19AVP211	Amrita Values Programme II	1 0 0	1	F
19SSK211	Softskills I	1 0 3	2	G

S6 ME				
Code	Title	LTP	Cr	ES
15MEC311	Design of Machine Elements II	3 1 0	4	A
15MEC312	Heat Transfer	3 1 0	4	B
15MEC313	Introduction to Finite Element Methods	3 0 2	4	C
15MEC314	Metrology and Measurements	3 0 0	3	D
Elective III				
15MEC267	Composite Materials and Processing	3 0 0	3	E
15MEC248	Computational Fluid Dynamics	3 0 0	3	E
15MEC265	Advanced Welding Technology	3 0 0	3	E
15MEC252	Gas Dynamics and Jet Propulsion	3 0 0	3	E
15MEC242	Theory of Elasticity	3 0 0	3	E
15MEC258	Turbomachinery	3 0 0	3	E
15MEC247	Combustion Engineering	3 0 0	3	E
15MEC385	Heat Transfer and Thermal Analysis Lab.	0 0 2	1	L1
15MEC386	Metrology and Measurements Lab.	0 0 2	1	L2
15SSK331	Soft Skills III	1 0 2	2	G

S8 ME				
Code	Title	LTP	Cr	ES
15MEC411	Operations Research	3 0 0	3	A
Elective V				
15MEC341	Total Quality Management	3 0 0	3	E
15MEC336	Managerial Statistics	3 0 0	3	E
15MEC334	Industrial Engineering	3 0 0	3	E
15MEC338	Operations Management	3 0 0	3	E
15MEC499	Project Phase II		10	P