

MECHANICAL ENGINEERING

Programme: B. Tech/M.E.

Semester : III

Year : July 2017

Course No.	Course Title	Course Type	L	T	P	C	Remarks
MA 201	Mathematics-III	SC	3	0	0	3	
ME 201	Strength of Materials	DC	3	1	0	4	
ME 202	Dynamics of Rigid bodies	DC	3	0	0	3	
ME 203	Fluid mechanics-I	DC	3	0	0	3	
ME 204	Applied Thermodynamics	DC	3	0	0	3	
PH201	Science Elective –Physics of Materials	SE	3	0	0	3	
ME 211	Mechanical lab – I (Fluid Mechanics Lab + Strength of Materials Lab)	DC	0	0	6	3	
ME 212	Workshop Practice - II	DC	0	0	4	2	
			18	1	10		
			29			24	

SC – Science Core;

ESC – Engineering Science Core

Programme: B. Tech/M.E

Semester : V

Year : July 2017

Course No.	Course Title	Course Type	L	T	P	C	Remarks
ME 301	Heat and Mass Transfer	DC	3	1	0	4	
ME 302	Machine Design-I	DC	3	0	0	3	
ME 303	Manufacturing Technology – II	DC	3	0	0	3	
ME 322	Dept Elective – (Advanced solid Mechanics)	DE	3	0	0	3	
ME323	Open Elective – II (Combustion)	OE	3	0	0	3	
HS 302	Accounting And Financial Methods	HSC	3	0	0	3	
ME 311	Machine Drawing	DC	1	0	4	3	
ME 312	Mechanical Lab – III (Thermal Engineering Lab + Metallographic Lab)	DC	0	0	6	3	
			19	1	10		
			30			25	

DC- Discipline Core,

SC- Science Core,

OE- Open Elective

Programme: B. Tech/M.E.

Semester : VII

Year : July 2017

Courses to be offered:

Course No.	Course Name	Course Type	L	T	P	C	Remarks
ME 401	Major Project - I	PW	0	0	8	4	
ME 437	Elective – Fracture Mechanics	DE	3	0	0	3	
ME 435	Elective – Refrigeration and Air Conditioning	DE	3	0	0	3	
ME429/CE 428/CS412	Open Elective-III : (ME 429 –Robotics, CE428 - Finite Element Methods in Engineering, CS 412 - Artificial Intelligence	OE	3	0	0	3	
HS 401	Professional Ethics	HSC	2	0	0	2	
HS 402	Introduction to Economics	HSE	3	0	0	3	
			14	0	8		
			22			18	

DC – Discipline Core;

DE – Discipline Elective;

OE – Open Elective; HSC – HS Core

Programme: M. Tech/M.E.

Semester : I

Year : July 2017

Sl. No.	Course Title	Code	Contact Hour			Credit	Remarks
			L	T	P		
1.	Engineering Mathematics	MA 552	3	0	0	3	
2.	Advanced Fluid Mechanics	ME 501	3	0	0	3	
3.	Convective Heat and Mass Transfer	ME 502	3	0	0	3	
4.	Elective-I (Advanced Thermodynamics)	ME 551	3	0	0	3	
5.	Elective-II (Experimental Methods in Mechanical Systems)	ME 553	3	0	0	3	
6.	Thermal Engineering Laboratory	ME 531	0	0	6	3	
			15	0	6		
			21			18	