



Rajasthan Technical University (RTU)

Mechanical (Production Engineering)

M. Tech Program in Mechanical Engineering with specialization in Production Engineering

Courses

The theory subjects will be of maximum 125 Marks each having 25 Marks as course work and 100 Marks for University examination.

First Semester

S. No.	Code No.	Subject	L	T	P	Max Marks	Ex. Hrs.
1.	1MEPE1	Machining Science – I	3	1	0	125	3
2.	1MEPE2	Machining Science – II	3	1	0	125	3
3.	1MEPE3	Metal Forming	3	1	0	125	3
4.	1MEPE4	Metrology and Computer Aided Inspection	3	1	0	125	3
5.	1MEPE5	Manufacturing Lab	0	0	3	100	3
Total			12	4	3	600	

Second Semester

S. No.	Code No.	Subject	L	T	P	Max Marks	Ex. Hrs.
6	2MEPE6	Advanced Optimization Techniques	3	1	0	125	3
7.	2MEPE7	Mechatronics	3	1	0	125	3
8.	2MEPE8	Machine Tool Design	3	1	0	125	3
9.	2MEPE9	Computer Integrated manufacturing Systems	3	1	0	125	3
10.	2MEPE10	CAM Lab	0	0	3	100	3
Total			12	4	3	600	



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Third Semester

S. No.	Code No.	Subject	L	T	Max Marks	Ex. Hrs.
11	3MEPE11	Elective 1	3	1	125	3
12	3MEPE12	Elective 2	3	1	125	3
13	3MEPE13	Seminar			150	
14	3MEPE14	Dissertation – I			100	
Total			6	2	500	

Fourth Semester

S. No.	Code No.	Subject	L	T	Max Marks	Ex. Hrs.
15	4MEPE15	Dissertation – II			500	
Total					500	

List of Electives (For 3MEPE11 & 3MEPE12):

Choose any two out of six given below.

3MEPE11&12.1:Micro Electrical and Mechanical Systems (MEMS)

3MEPE11&12.2:Nanotechnology

3MEPE11&12.3:Design of Experiments

3MEPE11&12.4:Advanced Welding Technology

3MEPE11&12.5:Rapid Prototyping

3MEPE11&12.6:Simulation and Modeling