Ph.D. (METALLURGICAL AND MATERIALS ENGINEERING)

Cat.	Course Number	Course Title	L-T-P	Credits	Cat.	Course Number	Course Title	L-T-P	Credits
I Semester				II Semester					
Е		Elective 1*	3-0-0	3	Е		Elective 6*	3-0-0	3
Е		Elective 2	3-0-0	3	Е		Elective 7	3-0-3	3
Е		Elective 3	3-0-0	3	Е		Elective 8	3-0-0	3
Е		Elective 4	3-0-0	3	Е		Elective 9	3-0-0	3
Е		Elective 5	3-0-0	3	Е		Elective 10	3-0-0	3
						MT811	Seminar	0-2-0	2
	Total							Total	
III S	emester				IV Semester				
TH	MT799	Ph.D. Thesis			TH	MT799	Ph.D. Thesis		
			Total					Total	
V Semester				VI Semester					
TH	MT799	Ph.D. Thesis			TH	MT799	Ph.D. Thesis		
		·	Total				·	Total	
VII Semester				VIII Semester					
TH	MT799	Ph.D. Thesis			TH	MT799	Ph.D. Thesis		
			Total	1				Total	

^{*} Electives 1 and 6 to be taken from M.Tech. elective courses only. No 5XX courses can be taken.

ELECTIVES

Course Number	Course Title	L-T-P		Course Number	Course Title	L-T-P	Credits
	Interfacial Phenomena	3-0-0	3	MT658	Electronic, Optical and Magnetic	3-0-0	3
MT656	Fatigue and Fracture	3-0-0	3		Properties of Materials		
	Quantitative Metallography	3-0-0	3	MT659	Thin Film Technology	3-0-0	3
MT713	Particulate Matter Technology	3-0-0	3	MT714	Theory and Design of Alloys	3-0-0	3
MT657	Transport Phenomena	3-0-0	3	MT660	Diffusion in Solids	3-0-0	3

DISTRIBUTION OF CREDITS (Ph.D.)

S. No.	Category	Category Title	Students with	Total Courses	Total Credits
1.	E	ELECTIVES	M. Tech., M.E., M.Sc. Degree in MT	4	12
			M. Tech., M.E., M.Sc. Degree in	4	12
			other Engineering disciplines		
			M. Sc. Degree in Science disciplines	10	30
			Bachelor Degree	10	30
2.	Н	THESIS	-	-	-