

**Program: M. Tech. (Metallurgical and Materials Engineering)**

**School: School of Minerals, Metallurgical and Materials Engineering**

Subject Name	Code	L-T-P	Credit	Contact hours
<b>Semester I</b>				
Advanced Thermodynamics	ML6LXXX	3-1-0	4	4
Materials Characterization	ML6LXXX	3-0-0	3	3
Phase transformation of materials	ML6LXXX	3-0-0	3	3
Elective - 1/Open Elective-1	ML6LXXX	3-0-0	3	3
Elective - 2/Open Elective-2	ML6LXXX	3-0-0	3	3
Materials Characterization Laboratory	ML6PXXX	0-0-3	2	3
Computational Materials Laboratory	ML6PXXX	0-0-3	2	3
			20	22
<b>Semester II</b>				
Metallurgical Kinetics	ML6LXXX	3-1-0	4	4
Elective - 3	ML6PXXX	3-0-0	3	3
Elective - 4	ML6LXXX	3-0-0	3	3
Elective - 5	ML6LXXX	3-0-0	3	3
Laboratory*	ML6PXXX	0-0-3	2	3
Thesis - Part-1	ML6DXXX		2	-
			17	
<b>Semester III</b>				
Thesis - Part-2	ML6DXXX		14	-
<b>Semester IV</b>				
Thesis - Part-3/Internship	ML6DXXX		14	-
<b>Total Credits:</b>			<b>65</b>	

\* The laboratory will be offered based on the electives opted by the student