

LESSON PLAN

Subject Name- Materials Engineering & Metallurgy	Branch- Production Engineering
Subject Code-BPE 2502	Semester- 5th

S/N	Module	Topic(s)	Periods/ Hours
1	I	Introduction to materials	1
2	I	Defects in solids	2-3
3	I	Diffusion in solids	4-5
4	I	Deformation in metals	6
5	I	Bauschinger's effect	7
6	I	Work hardening	8-9
7	I	Doubt clearing class	10
8	II	Equilibrium diagram	11
9	II	Isomorphous alloy system	12-13
10	II	Nucleation	14
11	II	Equilibrium cooling & heating	15-17
12	II	Lever rule	18
13	II	Eutectic reaction	19-20
14	III	Transformation in solid state	21
15	III	Eutectoid & Peritectoid reaction	22-23
16	III	Binary phase diagram	24-25
17	III	Phase transformation in steel	26-27
18	III	Isothermal transformation diagram	28-29
19	III	Transformation on continuous cooling	30
20	III	tutorial	31
21	IV	Heat treatment processes	32-34
22	IV	Thermal properties	35-36
23	IV	Thermally insulating materials	37-38
24	IV	Specification of steel	39-40
25	IV	Tutorial	41

Signature of the teacher

Signature of HOD