

## LESSON PLAN

<b>Subject Name- Basic Manufacturing Process</b>	<b>Branch- Production Engineering</b>
<b>Subject Code- BPE2301</b>	<b>Semester- 3<sup>rd</sup></b>

<b>S/N</b>	<b>Module</b>	<b>Topic(s)</b>	<b>Period/ Hours</b>
1	I	Manufacturing Processes	1-3
2	I	Sand Casting	2
3	I	Molding Procedure	3
4	I	Testing of molding sand	4
5	I	Melting and founding of cast iron	5
6	I	Degasification	6
7	I	Design of casting and risering	7
8	I	Pouring and feeding of casting	8
9	I	Casting defects and inspection	9
10	I	Tutorial	10
11	II	Special casting	11-12
12	II	Permanent mould casting	13-14
13	II	Die casting	15
14	II	Centrifugal casting	16-17
15	II	Tutorial	18-19

<b>S/N</b>	<b>Module</b>	<b>Topic(s)</b>	<b>Period/ Hours</b>
16	III	Fusion welding processes	20-21
17	III	Oxy-fuel gas welding, arc welding processes-I	22
18	III	Submerged arc welding	23-27
19	III	Gas Metal Arc Welding, arc welding processes-II	28
20	III	Gas Tungsten arc welding	29-30
21	III	Plasma Arc Welding, Other welding processes	31
22	III	Defects in welding	32
23	IV	Metal Forming Process	33
24	IV	Extrusion	34
25	IV	Rolling	35-36
26	IV	Sheet Metal Working	37-38
27	IV	Deep drawing process	39
28	IV	Tutorial	40