

Detailed Teaching Plan

Lecture No	Unit No	Topics to be covered	Planned Date	Execution Date	Remarks
01	01	Manufacturing definition, Processes, types & classification	6/2/25	6/2/25	(19)
02	01	Priorities & secondary Manufacturing processes.	7/2/25	6/2/25	(19)
03	01	Chipless manufacturing processes	11/2/25	17/2/25	
04	01	Chip Removal manufacturing processes	15/2/25	17/2/25	
05	01	Mechanical properties	19/2/25	18/2/25	
06	01	Engineering material	18/2/25	18/2/25	
07	02	unit - 02 casting definition & need	19/2/25 to 3/3/25	19/2/25	(20)
08	02	core & its type		25/2/25	(18)

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09	02	Moulding sand & properties	25/2/25	25/2/25	(10)
10	02	Moulding sand, Types, properties	27/2/25	27/2/25	
11	02	Binder & additives	28/2/25	27/2/25	
12	02	Melting of metal	6/3/25	6/3/25	-08
13	02	casting process	6/3/25	6/3/25	-08
14	02	shell mould casting, Investment casting	8/3/25	8/3/25	-08
15	02	Dry sand casting, centrifugal casting	8/3/25	8/3/25	-08
16	02	casting defect	10/3/25	10/3/25	(15)
17	03	hot & cold working	17/3/25	17/3/25	(19)
18	03	effect of cold & hot working	19/3/25	19/3/25	
19	03	forming process, Rolling process	22/3/25	22/3/25	-08
20	03	drawing operation	22/3/25	22/3/25	(21)
21	03	punching, Blanking operation	24/3/25	24/3/25	(21)
22	03	Safety precaution in forming	24/3/25	24/3/25	(21)
23	03	drawing operation.	26/3/25	26/3/25	
24	03	Press working	27/3/25	27/3/25	
25	03	Advancement in metal forming	27/3/25	27/3/25	

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26	05	Introduction of plastic moulding	2/4/25	2/8/25	
27	05	Plastic material	3/4/25	2/4/25	
28	05	Plastic moulding	7/4/25	7/4/25	
29	05	Compression moulding	8/4/25	8/4/25	
30	05	Injection moulding	9/4/25	9/4/25	
31	05	Safety precaution in P.M.	9/4/25	9/4/25	
32+33	05	Powder Metallurgy definition	15/4/25	15/4/25	
34	05	Powder making	16/4/25	16/4/25	
35	05	Powder metallurgy Advantages	17/4/25	17/4/25	
36	05	Powder metallurgy process	21/4/25	21/4/25	
37	04	Introduction to welding	22/4/25	22/4/25	
38	04	welding classification	23/4/25	22/4/25	
39	04	MIG welding	23/4/25	23/4/25	
40	04	TIG welding	24/4/25	24/4/25	
41	04	Submerge Arc welding	28/4/25	28/4/25	
42	04	Gas welding	30/4/25	30/4/25	
43	04	Resistance welding			

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