

**LESSON PLAN**

DISCIPLINE - METALLURGICAL ENGINEERING		SEMESTER - 6 <sup>TH</sup> SEMESTER		NAME OF THE TEACHING FACULTY - Mr Subrat Kumar Behera , Lecturer	
SUBJECT – FOUNDRY TECHNOLOGY		No of days /week class allotted: <b>04/week</b>		SEMESTER FROM DATE:- <b>16-01-2024 TO 26-04-2024</b> No of weeks: <b>12</b>	
MONTH	WEEK	No of periods available	Class Day	THEORY TOPICS	
JANUARY	1 <sup>st</sup>	02P	16-01-2024	Explain about Casting and principles of casting	
		02P	19-01-2024	Explain about steps involved in making a casting , advantages & disadvantages of metal casting	
	2nd	02P	30-01-2024	Explain about patternpattern materials	
FEBRUARY	3rd	02P	02-02-2024	Explain about types of pattern , pattern allowances	
		02P	06-02-2024	Utilities of storing and preservation of patterns.Different sources of moulding sand	
	4 <sup>TH</sup>	02P	09-02-2024		
		02P	13-02-2024	Types of moulding sand	
	3rd	02P	16-02-2024	Monthly Test	
		02P	20-02-2024	Classification of moulding sand	
	4th	02P	23-02-2024	Classification based upon grain size and shape	
		02P	27-02-2024	Revision	
MARCH	5 <sup>TH</sup>	02P	01-03-2024	Ingredients of moulding sand	
	6th	02P	12-03-2024		
		02P	15-03-2024	Explain about facing sand and backing sand	
	7th	02P	19-03-2024	Sand preparation and sand conditioning	
		02P	22-03-2024	Internal Assessment	
APRIL	8th	02P	02-04-2024	Describe sand reclamation techniques	
		02P	05-04-2024	Testing of moulding sand	
	9th	02P	09-04-2024	Clay content test ,mould hardness test	
		02P	12-04-2024	Compression strength of molding sand	
	10th	02P	16-04-2024	Functions of binder	
		02P	19-04-2024	Function of additives	
	11th	02P	23-04-2024	Monthly Test	
		02P	26-04-2024	Facing materials and coarse materials	
	12th	02P	30-04-2024	Different cushion materials	

*[Signature]*  
16.1.24

*[Signature]*  
16/01/2024

*[Signature]*