

LESSON PLAN

Discipline: Metallurgy Engineering				Semester: 4th semester	Name of the teaching faculty: Mr Tushar Das Pattanayak
Subject: Metallography Lab-I Sub code: Pr2				No of days / week class allotted: 06/week	Semester from Date: 16-01-2024 to 26-04-2024 No of weeks: 15
Month	Week	No of periods available	Class Day	Theory topics to be covered	
JANUARY	3rd	03P	18-01-2024	Briefing the Syllabus	
		03P	19-01-2024	Study of metallurgical microscope & write rough record	
	4th	03P	25-01-2024		
FEBRUARY	1st	03P	01-02-2024	Lab record write	
		03P	02-02-2024	Preparation of metallic specimen for metallographic study by grinding polishing etching	
	2nd	03P	08-02-2024		
		03P	09-02-2024	Polishing done for ferrous metal	
	3rd	03P	15-02-2024	Study of microstructure for metallic specimen	
		03P	16-02-2024		
	4th	03P	22-02-2024	Lab record check	
		03P	23-02-2024	Weekly Viva	



	5th	03P	29-02-2024	Sample preparation of different steel for metallographic study samples (hypoeutectoid & hypereutectoid steels)
MARCH	1st	03P	01-03-2024	
		03P	07-03-2024	
	2nd	03P	14-03-2024	Lab record check & submission
		03P	15-03-2024	Sample preparation of different cast iron for metallographic study
	3rd	03P	21-03-2024	Polishing done for different samples
		03P	22-03-2024	
	4th	03P	28-03-2024	Study of microstructure for different cast iron samples
		03P	29-03-2024	
APRIL	1st	03P	02-04-2024	Weekly viva
		03P	03-04-2024	Sample preparation of different non ferrous metals for metallographic study
	2nd	03P	09-04-2024	
		03P	10-04-2024	
	3rd	03P	16-04-2024	Polishing etching done for different non ferrous metals

	4th	03P	23-04-2024	
		03P	24-04-2024	Lab record check and submission

Tushar
16/01/24

PREPARED BY
Tushar Daspattanayak,
Sr. LECT. (Met)
OSME, KEONJHAR

Tushar
16/01/24

HOD
METALLURGY ENGINEERING
OSME, KEONJHAR

M

PRINCIPAL
OSME, KEONJHAR