

DEPARTMENT OF METALLURGICAL ENGINEERING

LESSON PLAN FOR Metallurgy Lab

Discipline: I	Semester:	Name of the Teaching faculty/Lab Assistant
Subject: Metallurgy Lab	No of Days/Week class allotted: 06	Sushantika Shekhar Sahu
Week	Class Day	Topics
1st	Pr. 1 (3P)	To study the Metallurgical Microscope & knowing about Metallurgical microscope & their working function.
	Pr. 2 (3P)	Study the Metallurgical Microscope & knowing about their function.
	Pr. 1 (3P)	Study the familiar & compare of the Microscope & compare their component.
	Pr. 2 (3P)	Study the familiar & compare of the Microscope.
	Pr. 1 (3P)	Study & determine the grain size
	Pr. 2 (3P)	Study & determine the grain size
2nd	Pr. 1 (3P)	Find out the grain size of single & multiple phase with system.
	Pr. 2 (3P)	Study the microstructure of carbon steel & see the microstructure by microscope.
	Pr. 1 (3P)	Study the microstructure of carbon steel
	Pr. 2 (3P)	Study the microstructure of carbon steel & detect the their structure by microscope.
3rd	Pr. 1 (3P)	Study the microstructure of carbon steel.
	Pr. 2 (3P)	preparation of the specimen for metallography
	Pr. 1 (3P)	preparation of the specimen for metallography test
	Pr. 2 (3P)	preparation of the specimen for metallography test
4th	Pr. 1 (3P)	Study the metallographic examination.
	Pr. 2 (3P)	Study the metallographic examination.

5th	Q.1. (3P)	study the microstructure of low alloy steel
	Q.2. (3P)	study the microstructure of low alloy steel. & detected by microscope.
	Q.1. (3P)	study the microstructure of low alloy steel.
	Q.2. (3P)	study the microstructure of low alloy steel.
6th	Q.1. (3P)	TO study the metallographic preparation technique.
	Q.2. (3P)	TO study the metallographic structure of non-ferrous metal.
	Q.1. (3P)	TO study the metallographic preparation technique of non-ferrous metal.
	Q.2. (3P)	"
7th	Q.1. (3P)	Intercept microstructure with phase diagram
	Q.2. (3P)	Intercept microstructure with phase diagram
	Q.1. (3P)	Intercept microstructure with phase diagram
	Q.2. (3P)	Intercept microstructure with phase diagram.
8th	Q.1. (3P)	Microscopic observation of phase of brass.
	Q.2. (3P)	Microscopic observation of phase of brass.
	Q.1. (3P)	Microscopic observation of phase of brass.
	Q.2. (3P)	Microscopic observation of phase of brass.
9th	Q.1. (3P)	Microscopic observation of bronze.
	Q.2. (3P)	Microscopic observation of bronze.
	Q.1. (3P)	Microscopic observation of bronze.
	Q.2. (3P)	Microscopic observation of bronze.
10th	Q.1	Record check & evaluated the experiment & sessional exam is done of the metallography microscope.
	Q.2	students are give sessional & record check & evaluate the record of metallography microscope.
11th	Q.1	Record check experiment of microstructure of low alloy steel & sessional is done.
	Q.2	
12th	Q.1	Record check of observation bronze & students are evaluate to give sessional exam.
	Q.2	students are give their sessional & record check, evaluate the experiment by teacher.

