

DEPARTMENT OF METALLURGICAL ENGINEERING

LESSON PLAN For Metallography Lab

Discipline: I	Semester:	Name of the Teaching faculty/ Lab Assistant
Subject: Metallography Lab	No of Days/Week class allotted: 06	Semester: 5th Session: 20-21 No of weeks:
Week	Class Day	Topics
1st	P1.1 (3P)	TO study the Metallurgical Microscope & knowing about Metallurgical microscope & their working function.
	P1.2 (3P)	Study the Metallurgical Microscope & knowing about their function.
	P1.1 (3P)	Study the familiar & component of the Microscope & analyze their component.
	P1.2 (3P)	Study the familiar & component of the Microscope.
2nd	P1.1 (3P)	Study & Determine the Grain size
	P1.2 (3P)	Study & Determine the Grain size
	P1.1 (3P)	Find out the Grain size of single & multiple phase alloy system.
	P1.2 (3P)	Find out the Grain size of single & multiple.
3rd	P1.1 (3P)	Study the microstructure of carbon steel & see the microstructure by microscope.
	P1.2 (3P)	Study the microstructure of carbon steel
	P1.1 (3P)	Study the microstructure of carbon steel & detect the their structure by microscope.
	P1.2 (3P)	Study the microstructure of carbon steel by micro comp.
4th	P1.1 (3P)	Preparation of the specimen for metallography
	P1.2 (3P)	Preparation of the specimen for metallography test
	P1.1 (3P)	Study the Metallographic examination
	P1.2 (3P)	Study the Metallographic examination.

5th	Qs.1. (3P)	Study the micro structure of low alloy steel
	Qs.2. (3P)	Study the microstructure of low alloy steel. Study of etched by microscope.
	Qs.1 (3P)	Study the microstructure of low alloy steel.
	Qs.2 (3P)	Study the microstructure of low alloy steel. Study the microstructure of low alloy steel.
6th	Qs.1 (3P)	To study the metallographic preparation technique.
	Qs.2 (3P)	To study the metallographic preparation technique.
	Qs.1 (3P)	To study the metallographic preparation technique.
	Qs.2 (3P)	To study the metallographic preparation technique.
7th	Qs.1. (3P)	Intercept microstructure with phase diagram
	Qs.2. (3P)	Intercept microstructure with phase diagram
	Qs.1. (3P)	Intercept microstructure with phase diagram
	Qs.2. (3P)	Intercept microstructure with phase diagram
8th	Qs.1 (3P)	Microstructure observation phase of brass.
	Qs.2 (3P)	Microstructure observation phase of brass.
	Qs.1 (3P)	Microstructure observation phase of brass.
	Qs.2 (3P)	Microstructure observation phase of brass.
9th	Qs.1 (3P)	Microstructure observation phase of brass.
	Qs.2 (3P)	Microstructure observation phase of brass.
	Qs.1 (3P)	Microstructure observation phase of brass.
	Qs.2 (3P)	Microstructure observation phase of brass.
10th		
11th		
12th		

Signature