
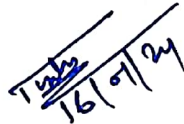


## LESSON PLAN

Discipline: Metallurgy Engineering					Semester: 6th semester	Name of the teaching faculty: Mr Tushar DasPattanayak
Subject: Mechanical Metallurgy Sub code: Th 2					No of days / week class allotted: 02/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	1st	02P	16-01-2024	Explain basic behavior of metal		
			17-01-2024	Explain type of dislocation		
	2nd	01P	24-01-2024	Explain slip and twinning		
	3rd	02P	30-01-2024	Explain deformation of metal elastic and plastic		
			31-01-2024	Explain yielding criteria		
FEBRUARY	1st	02P	06-02-2024	Derive critically resolved shear stress		
			07-02-2024	Explain deformation of polycrystalline aggregates		
	2nd	01P	13-02-2024	Explain strengthening mechanism		
	3rd	02P	20-02-2024	Explain the role of grain boundary strengthening		
			21-02-2024	Explain hall petch equation		
	4th	02P	27-02-2024	Explain yield point phenomenon		
			28-02-2024	Class test		
MARCH	1ST	01P	06-03-2024	Explain strain aging		

APRIL	2nd	02P	12-03-2024	Explain solid solution strengthening from fine particles
			13-03-2024	Explain fiber strengthening
	3rd	02P	19-03-2024	Explain martensitic strengthening
			20-03-2024	Explain strain hardening
	4th	01P	27-03-2024	Explain baushinger's effect
	1st	02P	02-04-2024	Explain fundamental of metalworking
			03-04-2024	Explain type of metal working process
	2nd	02P	09-04-2024	Explain hot working of metal and alloys
			10-04-2024	Explain cold working of metal and alloys
	3rd	01P	16-04-2024	Explain advantage of hot and cold working
	4th	02P	23-04-2024	Explain disadvantages of hot and cold working
			24-04-2024	Revision

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

  
 HOD  
 METALLURGY ENGINEERING  
 OSME, KEONJHAR

  
 PRINCIPAL  
 OSME, KEONJHAR