

LESSON PLAN

Name of faculty :- Mr. Neeraj Sangwan
Discipline :- Mech. Engg.
Semester :- 4th
Subject :- INDUSTRIAL ENGINEERING
lesson plan duration :- 15 weeks(January 2019 to April 2019)
(Theory : 03)

WEEK	THEORY	
	Lecture Day	<i>Topic (Including Assignment/test)</i>
1 st week	1 ST day	Unit1: Productivity Introduction to productivity, factors affecting productivity
	2 nd day	Practical measurement of productivity, difference between production and productivity
	3 rd day	causes of low productivity, methods to improve productivity
2 nd week	1 st day	Contribution of standardization in improving productivity
	2 nd day	Unit2: Work Study Definition and scope of work study, factors for selection of work study job
	3 rd day	Inter-relation between method study and work measurement
3 rd week	1 st day	Human aspects of work study, uses and limitation of work study
	2 nd day	Role of work study in improving productivity.
	3 rd day	Unit3: Method Study Method Study and its basic introduction
4 th week	1 st day	Objectives and procedure for Method analysis
	2 nd day	Information collection and recording techniques
	3 rd day	Doubt will be taken

5 th week	1 st day	Unit4: Motion Analysis Principles of Motion analysis
	2 nd day	Therbligs and SIMO charts
	3 rd day	Normal work area and therbligs symbol
6 th week	1 st day	Ergonomics , design of tools and equipment
	2 nd day	Design and arrangement of work places
	3 rd day	Unit5: Work Measurement Objectives; work measurement techniques
7 th week	1 st day	Work Measurement introduction only
	2 nd day	Principle, equipment used and procedure
	3 rd day	stop watch time study; principle
8 th week	1 st day	systems of performance rating discussion
	2 nd day	calculation of basic times standard elements of time
	3 rd day	various allowances used in work measurement
9 th week	1 st day	standard data and its usage,
	2 nd day	calculation of standard time, work sampling
	3 rd day	Unit 6: Wages and Incentive Scheme Introduction to wages
10 th week	1 st day	Wage payment for direct and indirect labour
	2 nd day	wage payment plans and incentives
	3 rd day	various incentive plans, incentives for indirect labour
11 th week	1 st day	Production Planning and Control introduction
	2 nd day	objectives and components (functions) of P.P.C
	3 rd day	Advantages of production planning
12 th week	1 st day	Unit7: Production Planning and control production and its types, batch and continuous

	2 nd day	Advantages of production planning and production control, stages of P.P.C
	3 rd day	Process planning, routing, scheduling, dispatching, follow up
13 th week	1 st day	CPM/PERT technique and gantt chart, drawing of simple networks and critical time calculation
	2 nd day	Routing purpose, route sheets, scheduling purpose, machine loading chart
	3 rd day	Structure and function of production, planning departments,
14 th week	1 st day	Production control in job order, batch type and continuous type production, its difference
	2 nd day	Doubt will be taken
	3 rd day	Unit8: Store Management different layout and structure of stores, inventory control
15 th week	1 st day	Calculations of EOQ, purchase procedures
	2 nd day	Bin cards and various forms required in stores for documentation
	3 rd day	Revision and doubt will be taken