COURSE TITLE : MANUFACTURING LAB-I

COURSE CODE : 3057
COURSE CATEGORY : B
PERIODS/WEEK : 4
PERIODS/SEMESTER : 60
CREDITS : 2

TIME SCHEDULE

Module	Торіс	Periods
1	Machine shop practice	17
2	Fitting Practice	13
3	Shaper Practice	17
4	Welding Practice 13	
	60	

GENERAL COURSE OUTCOME

Module	G.O	Student will be able to
1	1	Understand the working of lathe
	2	Understand the various operations to be carried out on a lathe.
2	1	Carryout various fitting works.
	2	Understand the working of shaper machine.
	3	Understand the various operations to be carried out on a shaper machine.
	4	Understand arc welding equipments.
	5	Carryout various works such as lap joint, bult joint and T joint.

SPECIFIC COURSE OUTCOME

MODULE I

- 1.1.1 Know the working of lathe
- 1.1.2 Carryout different jobs on lathe

MODULE II

- 2.1.1 Know the various fitting joints
- 2.1.2 Carry out Fitting Practice

MODULE III

- 3.1.1 Know the working of shaper
- 3.1.2 Carryout different jobs on shaper

MODULE IV

- 4.1.1 Understand the operation of welding
- 4.1.2 Carryout different welding operations

CONTENT DETAILS

MODULE I

Machine shop practice:

Lathe Work

Turning practice – plain and step turning, Taper turning practice – offset method and attachment method

MODULE II

Fitting Practice:

Different types of male and female joints

MODULE III

Shaper Practice:

Grooving practice

MODULE IV

Welding Practice:

Arc welding practice, Lap joint, Butt joint and Tee joint

REFERENCE:

S.K.Hajra Chaudhary - Workshop Technology-II - Media promotors and publishers pvt.Limited K C john- Mechanical Workshop practice - PHI Learning Pvt. Ltd.