

**COURSE TITLE : MACHINE SHOP PRACTICE**  
**COURSE CODE : 5029**  
**COURSE CATEGORY : A**  
**PERIODS/ WEEK : 4**  
**PERIODS/ SEMESTER : 60**  
**CREDIT : 2**

**TIME SCHEDULE**

MODULE	TOPIC	PERIODS
1	Lathe work	15
2	Shaper, Planning Machine.	15
3	Milling machine.	15
4	Slotting machine	15
TOTAL		60

**COURSE OUTCOME :**

sl.no.	sub	student will be able to
1	1	Do work on lathe
	2	Do work on shaping machine.
	3	Carryout work on milling machine.
	4	Execute work on slotting machine.
	5	Perform work on planning machine.

**CONTENT DETAILS**

**MODULE I**

**Lathe Work**

Lathe operations such as drilling, boring, threading, knurling etc.

**MODULE II**

Shaping Practice

Cube - V -Blocks, Key - way cuttings.

Planning Practice

Practice on planning machine.

**MODULE III**

**Milling Practice**

Simple milling operations - plain milling – side milling – vertical milling etc.

#### **MODULE IV**

**Slotting practice**

**Splines on slotting machine**

#### **TEXT BOOKS**

1. Mechanical Workshop Practice By K. C. John (PHI Learning Private Limited)
2. Mechanical Workshop & Laboratory Manual By K. C. John

#### **REFERENCE BOOKS**

1. Workshop Technology Vol. I by S K Hajra Choudhary
2. Workshop Technology Vol. II by S K Hajra Choudhary