

Course Code	Course Name	Credits
<b>MTL405</b>	<b>Machine Shop Practice</b>	<b>02</b>

**Objectives:**

1. To familiarize with basic machining processes.
2. To familiarize various machining operations and machine protocols

**Outcomes:** Learner will be able to...

1. Know the specifications, controls and safety measures related to machines and machining operations.
2. Use the machines for making various engineering jobs.
3. Perform various machining operations
4. Perform Tool Grinding
5. Perform welding operations

Module	Details	Hrs
<b>1</b>	One composite job consisting minimum four parts employing operations performed of various machine tools.	<b>40</b>
<b>2</b>	Tool Grinding – To know basic tool Nomenclature	<b>4</b>
<b>3</b>	One Job on Welding – Application of Metal Arc Welding	<b>4</b>

Assessment:

**Term Work:**

1. **Composite job** mentioned above and the **Welding Job**
2. Complete Work-Shop Book giving details of drawing of the job and timesheet

The distribution of marks for Term work shall be as follows:

Job Work with complete workshop book ..... 40 marks

Attendance ..... 10 marks