



## Course Syllabus

**Course Title:** Mechanical Workshop

**Course Delivery:** 2-periods (Lab Work)

**Course Catalogue Description:** The Mechanical Workshop course introduces the fundamental concepts and applications in the mechanical workshop. The course starts with an introduction to the workshop safety. This is followed by measurements and marking out. The course also highlights the use of various types of hand and machine tool e.g. hacksaws, files and drilling machines.

### Course Objectives:

Upon the successful completion of this course the student should be able to:

- Demonstrate an awareness of the workshop safety rules.
- Dress and behave safely in the workshop.
- Use the metric system of measurement.
- Read the vernier caliper and micrometer accurately.
- Identify and select the appropriate tools required to perform marking out tasks.
- Demonstrate an ability to cut using hacksaw
- Demonstrate an ability to file correctly in the workshop
- Identify and select the correct tool for the task.
- Select and determine different drill size.
- Drill holes of different diameters based on a specific drawing.

### Course Modules:

Module Title	No. of Weeks
Module-1: <b>Basic workshop safety</b>	2
Module-2: <b>Basic measurements</b>	3
Module-3: <b>Basic hand and marking out tools</b>	3
Module-4: <b>Hacksaws</b>	2
Module-5: <b>Files</b>	3
Module-6: <b>Drilling</b>	3