

Short description of the Laboratories and equipment's

Mechanical engineering workshop and the laboratories in use by Industrial Engineering Department are housed in the Mechanical Engineering buildings. Each lab is used to teach one course or more. A short description of the teaching laboratories and equipment in use for each laboratory course is provided below which lists the specific laboratory facilities, their purpose (i.e., which classes are supported), condition, and adequacy. The Mechanical Engineering Department has a number of laboratories used in undergraduate studies and research work.

1. Mechanical Engineering Workshop

The mechanical engineering workshop is equipped with machines and apparatus for training the students in the fields of sheet metal forming, welding, carpentry, and machining processes. The workshop is used in performing the practical experiments related to production technology course. Photos of some training facilities, used in the workshop are shown in Figure 1.





Figure -1: Mechanical Engineering workshop facilities.

2. Materials Science Laboratory

Materials science lab is used in the experiments of the materials science course to introduce the microstructure characteristics of the metallic materials and its alloys. This lab contains microscopic examinations and specimens preparations (polishing and etching operations) units. The lab is used in performing the practical experiments related to material science course. Photos of some facilities of the materials science lab are shown in Figure 2.





Figure 2: Facilities of the Materials Science Laboratory.

3. Material Testing Laboratory

Material testing lab is used in the determining of the mechanical properties of the metallic alloys and composite materials. In this lab, mechanical tests are conducted such as tension, compression, bending, shear, microhardness, and impact. The lab is used in performing the practical experiments related to material science course. Photos of some facilities used in the material testing lab. are shown in Figure 3.





Figure 3: Instrumentations of the Material Testing Laboratory.

COPMUTER LABORATORIES



FEMALE WORKSHOP FACILITY





PROTOTYPES EDUCATIONAL MACHINES



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