

103	Measurement of Mechanical Work I	April 18, 2001	
Course No.	Descriptive Title	Revision: 2	February, 2003

Course Description

This course deals with the measurement of mechanical items covered under Mechanical Technology I. Emphasis is placed on the accuracy of measurement in a logical sequence together with neat presentation. The course will cover site works, building drainage, domestic water, plumbing fixtures, and heating and ventilation.

Suggested Prerequisites: 102 Mechanical Technology I

Learning Outcomes

The student will be able to demonstrate the proper method of measurement of various systems studied in Mechanical Technology I.

Course Content:

The student will study the following:

1. from the text Estimating Construction Costs
 - a. Chapter 17
 - b. Chapter 20
 - c. Chapter 21
2. from the text Method of Measurement of Construction Works, Division 15.

Required Textbooks and Materials:

1. Method of Measurement of Construction Works, published by The Canadian Institute of Quantity Surveyors.
2. Estimating Construction Costs, by Peurifoy-Oberlender.

Additional Reference:

1. Construction Law, by Brian M. Samuels.

Testing:

Testing will concentrate upon:

1. the candidate's understanding of the proper approach to measurement.
2. accuracy in descriptions and measurement