Course Description
This course is an extension of measurement of Mechanical Work I and II dealing mainly with the work covered in Mechanical Technology III.

Suggested Prerequisites:
101 Construction Science
103 Measurement of Mechanical Work I
104 Plumbing & Fire Protection Design
109 Heating, Ventilation and Air Conditioning Design
201 Mechanical Technology II
202 Measurement of Mechanical Work II
208 Mechanical Technology III

Learning Outcomes
The student will demonstrate a proficiency in measurement of:
1. plumbing systems
2. heating/ventilating/air conditioning systems
3. fire protection systems.

Course Content:
The student will study the following:
1. from the text Means Mechanical Estimating Standards and Procedures
   a. Chapter 3 Before Starting the Estimate
   b. Chapter 4 The Quantity Take-off
2. from the text Means Plumbing Estimating
   c. Chapter 3 Preparing for the Estimate
   d. Chapter 4 The Take-off
3. from the CIQS Method of Measurement of Construction Works.

Required Textbooks and Materials:
1. Method of Measurement of Construction Works, published by the Canadian Institute of Quantity Surveyors

Testing:
Testing will include elements studied in this course as well as 101, 102, and 201. Emphasis will be placed on:
1. a demonstrated understanding of the methods and procedures
2. accuracy in description
3. accuracy of measurement and extensions.