Course Description

This course is an extension of previous studies and includes the measurement and description of mechanical work covered in Mechanical Technologies I and II.

Suggested Prerequisites:
- 101 Construction Science
- 102 Mechanical Technology I
- 201 Mechanical Technology II

Learning Outcomes

Upon completion the student will be able to demonstrate an increased understanding of the measurement of mechanical systems.

Course Content:

The student will study the following:
1. from the text Estimating Construction Costs
   a. Chapter 17 Plumbing
   b. Chapter 20 Water Distribution Systems
   c. Chapter 21 Sewage Systems
2. from the text Means Plumbing Estimating
   b. Chapter 3 Preparing for the estimate
   c. Chapter 4 The Take-off
3. From the text Means Mechanical Estimating Standards and Procedures, Chapter 22
4. From the text Method of Measurement of Construction Works, Division 15.

Required Textbooks and Materials:

1. Estimating Construction Costs, by Peurifoy-Oberlender

Testing:

Testing will include elements studied in the 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 descriptions
3. accuracy of measurement and extension.