

QUANTITY SURVEYING / CONSTRUCTION ESTIMATOR SYLLABUS - MECHANICAL

306 **Industrial Piping**
Course No. Descriptive Title

Revision: 1 November, 2005

Course Description

This course will introduce the student to industrial piping installations. Emphasis will be on understanding how to interpret industrial process and instrumentation drawings (P&ID). Knowledge of the materials and installation of the pipe and fittings used in industrial piping will be required.

Suggested Prerequisites: 208 Mechanical Technology III

Learning Outcomes

The student will demonstrate a proficiency in measurement of industrial mechanical work.

Course Content:

The student will have studied the material for Subject 208 prior to attempting this subject.

Required Textbooks and Materials:

1. Method of Measurement of Construction Works, published by the Canadian Institute of Quantity Surveyors
2. Means Mechanical Estimating Standards and Procedures by Moylan/Mossman
3. Estimator's Piping Man-hour Manual by John S. Page

Testing:

Testing will include elements studied in this course as well as Subject 208. Emphasis will be placed on a demonstrated ability to measure industrial piping both, plan and P&ID.