

QUANTITY SURVEYING / CONSTRUCTION ESTIMATOR SYLLABUS - MECHANICAL

201 **Mechanical Technology II** April 18, 2001
Course No. Descriptive Title Revision: 2 February, 2003

Course Description

This course is an extension of Mechanical Technology I and covers mechanical principles, methods and details found in more sophisticated structures such as medium rise residential, commercial, institutional and industrial buildings. The course covers fire protection, domestic hot water, drainage, safe works, general mechanical principles, and materials and methods employed in the more sophisticated systems.

Suggested Prerequisites: 102 Mechanical Technology I

Learning Outcomes

The student will be able to demonstrate an understanding of the more sophisticated systems studied.

Course Content:

The student will study the following:

1. from the text Mechanical and Electrical Systems for Buildings
 - a. Chapter 8 Rain Water
 - b. Chapter 9 Water Supply
 - c. Chapter 10 Water and Waste
 - d. Chapter 11 Bathroom Design
2. from the text Means Mechanical Estimating Standards and Procedures Part II chapters 13 through 21 inclusive.

Required Textbooks and Materials:

1. Mechanical and Electrical Systems for Buildings, by Stein/Reynolds/McGuinness
2. Means Mechanical Estimating Standards and Procedures, by Moylan/Mossman.

Testing:

Emphasis in testing will be based on the student's ability to explain and apply the materials studied.