



Course Description:

In this course the candidate learns the principles and methods used in preparation of the unit prices for individual items of work, the procedures and considerations used in the preparation of the total bid or tender price. The candidate will utilize the information obtained from quantity take off, drawings and specifications.

Suggested Prerequisites:

Course No: A102 – Construction Technology I
A103 – Measurement of Construction Work I
C106 – Economics I
A201 – Construction Technology II
A202 – Measurement of Construction Work II
C203 – Construction Cost Accounting
C206 – Economics II
A207 – Construction Technology II
A301 – Measurement of Construction Work III

Learning Outcomes:

The candidate will be able to:

1. Compile unit prices of work for all architectural items given a general description of work.
2. Demonstrate a knowledge of how to obtain cost information.
3. Demonstrate a knowledge of factors affecting pricing.
4. Demonstrate a knowledge of normal pre-bid procedure.

Course Content:

The candidate will study from the following sections of the required texts:

1. Chapter 7 in the text Canadian Building Law, 6th Edition.
2. Chapters 2 to 19 in the text Estimating Construction Costs, 5th Edition
3. Chapters 1 to 15 in the text Fundamentals of Construction Estimating, 3rd Edition

Required Textbooks and Materials:

1. Canadian Building Law, 6th Edition, compiled & edited by Joshua Mutize, PQS & Evan B. Stregger, PQS(F)
2. Estimating Construction Costs, 5th Edition, by Robert L. Peurifoy and Garold D. Oberlender
3. Fundamentals of Construction Estimating, 3rd Edition by David Pratt.

Additional Reference Materials:

1. Walker's Building Estimator's Reference Book, 28th Edition, published by Frank R. Walker Company.
2. Assemblies Cost Data, published by RSMeans Company Inc. – Annual Publication.
3. Building Construction Cost Data by RSMeans Company Inc. – Annual Publication.

Testing:

Testing will concentrate upon:

1. The candidate's ability to provide complete unit rates for items of work, demonstrating their knowledge of waste, shrinkage, bulking and other factors affecting costs.



2. The candidate's ability to interpret pre-bid procedures and to analyze the costs associated with those procedures.