



CIQS Syllabus		Original:	June 29, 1993
Course No:	C308	Rev. No:	4
Course Title:	Cost Planning	Rev. Date:	March 31, 2012

### Course Description:

Using the knowledge developed in the measurement and pricing subjects, the student is introduced to concepts of cost planning from project inception to end of contract. This subject will cover various types of conceptual estimating, including elemental costing and analysis. The course will also focus on procurement methods, as it relates to cost planning and control methods.

### Suggested Prerequisites:

Course No: A103 – Measurement of Construction Work I  
A202 – Measurement of Construction Work II  
A310 – Measurement of Construction Work III  
A303 – Pricing & Bidding Procedures

### Learning Outcomes:

The candidate will be able to:

1. Prepare from preliminary information a reasonable cost estimate for the work.
2. Prepare using the elemental format cost estimates containing more detail and reliability.
3. Prepare based upon known costs for a particular building or structure the necessary data to prepare the above estimates.
4. Understand the various types of construction procurement methods and how they affect project costs.

### Course Content:

The candidate will study from the following sections of the required text/material:

1. Chapters 1 through 6 of the text Construction Budgeting.
2. Elemental Cost Analysis Coding and Format as contained in the text Elemental Cost Analysis, Format, Method of Measurement, Pricing.
3. Measurement of Buildings by Area and Volume as contained in the text Elemental Cost Analysis, Format, Method of Measurement, Pricing.

### Required Textbooks and Materials:

1. Construction Budgeting, Second Edition, by Frank W. Helyar, FRICS, PQS(F), published by CIQS
2. Elemental Cost Analysis, Format, Method of Measurement, Pricing and Measurement of Buildings by Area and Volume published by CIQS

### Additional Reference Materials:

1. Square Foot Costs, by RSMeans, Annual Publication.
2. Hanscomb Yardsticks for Costing, Cost Data for the Canadian Construction Industry, by RSMeans Engineering Department. Annual Publication.

### Testing:

Testing will concentrate on:

1. Preparation of accurate data from known costs, for use in preliminary and elemental pricing.
2. Preparation of preliminary estimates given certain criteria.
3. Preparation of elemental estimates given certain criteria.
4. Understand the various procurement methods in construction and the appropriate uses of each.