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.

Required Textbooks and Materials:

Additional Reference Materials:
1. Square Foot Costs, by RSMeans, 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.