QUS 4204 Analysis of Prices and Estimating

Hours Per Week			Hours per Semester	Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment	Credit Units
LH	PH	TH	CH	WTM	WEM	WCM	CU
3	0	3	45	100	60	40	3

Course description

The course deals with detailed analysis showing the basis upon which prices of bills of quantities items are compiled

Objective(s)

To give students the estimating knowledge required for working out the cost of carrying out contracted construction assignment basing on the provided tender documents, pre-tender planning of construction activities, competitive market forces and sources of cost data available.

Course contents

1. Economic consideration in unit rates including [15 CH]

- mechanical plant,
- labour, materials;
- sources of prices data

2. Application of the principles to selected items in bills of quantities. [5 CH]

3. Estimating for; [10 CH]

- trade items, analysis and synthesis of prorate items,
- preliminaries;
- more complex building and contractual situations;
- sub-contractors' work and service installations,

4. Case studies of typical estimating operations of projects [10 CH]

5. Seminars on estimating [5 CH]

Learning outcomes.

At the end of the course students should be able to estimate and develop unit rates for materials, labour, plant and equipment.

Method of delivery.

The course will be conducted through a mixture of lectures, group discussions and reading assignments. Basic lecture materials and data will be provided by the Lecturer and this will be supplemented by individual reading effort by students.

Method of assessment.

Assessment will be done through continuous coursework and final written examination. Continuous assessment will include assignments and classroom tests. A final examination will be offered at the end of each semester and will carry 60% of the total mark. Coursework will carry a total of 40% and will be divided into: assignments 20%, and written tests 20%.

Reference books and materials.

1. Howard and W.W.B. Wood, A.A.B. 1980. ***Practical Builders' Estimating,*** Hutchinson & Co. Ltd. London.

2. Miles, D. 1976. ***The Small Building Contractor and the Client,*** Intermediate Technology Publications Ltd; London

3. Atton, W. 1979. ***Introduction to Estimating for Builders.*** Godwin May, London