QUS 4105 Construction Project Management

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

This course examines the major strands of management and organization theory and their application in the context of the construction industry.

Objective(s)

- To give students methods for the management planning and control of projects in the course of designing and production.
- To make students appreciate the roles and necessity of various stake holders involved in construction building production

Course contents

1. Nature of Construction Projects [5 CH]

1.1 Introduction

1.2 Project Classification

1.3 Construction Project Characteristics

1.4 Construction Project Participants

1.5 Construction Project Development Process

1.6 Construction Planning

1.7 Roles of stakeholders; client, consultants etc.

2. Project Control Systems [5 CH]

2.1 Key Elements of Control

2.2 Methodology

2.3 Productivity Control

2.4 Cost Control

2.5 Time Control

3. Project Management Information Systems [5 CH]

3.1 Concept and Framework

3.2 Information Computerization

3.3 Development of an Information System

3.4 Problems of Information Systems Management

3.5 Benefits of Computerized Information Systems

4. Construction plant and equipment [10 CH]

4.1 Introduction to equipment

4.2 Selection and control

4.3 Hire vs. acquisition/buying

4.4 Utilization and maintenance

Learning outcomes.

At the end of the course, students will have an understanding the roles of various stake holders in building production and they will also possess first-hand knowledge about management of construction projects

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. Terry and Franklin 1990. ***Principles of Management,*** Virender Kumar Arya, Delhi India

2. Peurifoy R. L. 1970. ***Construction planning, equipment & Methods,*** McGraw - Hill book company, Ltd.

3. Allen L.A. 1977. ***Management and Organization.*** Mc Graw - Hill, London

4. Harris F. and Mc Caffer D. 1983. ***Modern Construction Management,*** Granada Publishing, London

5. Donald S.B. & Boyd C.P 1992. ***Professional construction Management,*** McGraw Hill International Editions, New York