



# THE FEDERAL UNIVERSITY OF TECHNOLOGY, AKURE

## *Department of Quantity Surveying*

### QSV 512 – Construction Project Management

#### COURSE PARTICULARS

**Course Code:** QSV 512

**Course Title:** Construction Project Management

**No. of Units:** 2

**Course Duration:** One hour of lecture and one hour of tutorial per week for 15 weeks.

**Status:** Compulsory

**Course Email Address:** qsv512@futa.edu.ng

**Course Webpage:** <http://www.qsv.futa.edu.ng/courseschedule.php?coursecode=QSV%20512>

**Prerequisite:** NIL

#### COURSE INSTRUCTORS

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#### COURSE DESCRIPTION

This course is a continuation to QSV 507 and 508(Construction Management I & II). The aim of this course is to introduce students to various improved systems of procuring construction works. first course in computer usage designed primarily for students in forestry and allied disciplines. Topics to be covered include contract procurement, introduction to project management consultancy- it's emergence, definition, process of project management services, project management in construction- function and responsibilities of a project manager, the quantity surveying and project management, financial management- Banking, (Central, Commercial, Mortgage and other financial institutions), Stock exchange, construction finances services, cost of capital and funding property development.

## COURSE OBJECTIVES

The objectives of this course are to:

- introduce students to the various improved systems of procuring construction works starting from the traditional/conventional system;
- provide students with the opportunities to understand the principles and the need for project management system;
- provide students with opportunities to understand the different sources of fund for construction works; and
- provide students with opportunities to develop basic knowledge of team building and composition.

## COURSE LEARNING OUTCOMES / COMPETENCIES

Upon successful completion of this course, the student will be able to:

*(Knowledge based)*

- understand various systems of procuring construction works;
- develop a knowledge of the basic principles of project management;
- determine the leadership style most appropriate at arriving at the best outcome;
- explore theoretical aspects of project management;
- develop a knowledge of good team work;
- understand the important of communication in construction management; and
- develop knowledge of the basic process of financial management

*(Skills)*

- with the knowledge of various systems of procuring construction works, student should be able to :
  - advise construction clients on the best option for a particular project;
  - highlight the advantages and disadvantages of each option;
- make a choice about the right leadership style in a particular condition;
- compute fees for consultant project management;
- build a strong and competent group/team based on complementary strength of team members;
- advise on the various sources of finance for construction project; and
- able to delegate authority to subordinates and motivate team towards the achievement of common goal.

## GRADING SYSTEM FOR THE COURSE

This course will be graded as follows:

Class Attendance	5%
Assignments	20%
Test(s)	15%
<u>Final Examination</u>	<u>60%</u>
<b><u>TOTAL</u></b>	<b><u>100%</u></b>

## GENERAL INSTRUCTIONS

**Attendance:** It is expected that every student will be in class for lectures and promptly too. Students will not be allowed to enter classroom 30 minutes after the commencement of every lecture, this is to prevent unnecessary distraction during lecture. Attendance records will be kept and used to determine each person's qualification to sit for the final examination. Attendance will be taken 5 minutes to the end of every lecture. In case of illness or other unavoidable cause of absence, the student must communicate as soon as possible with the instructor, indicating the reason for the absence.

**Academic Integrity:** Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances are prohibited. You are not allowed to make copies of another person's work and submit it as your own; that is plagiarism. All cases of academic dishonesty will be reported to the University Management for appropriate sanctions in accordance with the guidelines for handling students' misconduct as spelt out in the Students' Handbook.

**Assignments and Group Work:** Students are expected to submit assignments as scheduled. Failure to submit an assignment as at when due will earn such student zeros for that assignment. Only under extenuating circumstances, for which a student has notified any of the instructors in advance, will late submission of assignments be permitted.

**Code of Conduct in Lecture Rooms and Laboratories:** Students should turn off their cell phones or put them in silent mode during lectures. Students are prohibited from engaging in other activities (such as texting, pinging, watching videos, etc.) during lectures. Food and drinks are not permitted in the lecture room. Student will be given a break of 10 minutes in between lecture hours.

## READING LIST

<sup>1</sup>Cooke, B. and Williams, P. (2009). *Construction Planning, Programming and Control*. Third Edition. Wiley-Blackwell, West Sussex, UK. 4p.

<sup>4</sup>Winch, G.M. (2002). *Managing Construction Projects*. Blackwell publishing, Oxford, UK. 458p.

<sup>4</sup>Burke, R. (2010). *Fundamentals of Project Management- Tools and Techniques*. 2<sup>nd</sup> Edition. Burke Publishing, Pretoria, SA. 379p.

<sup>4</sup>Kerzner, H, (2006). *Project Management: a systems approach to planning, scheduling, and controlling*. 9<sup>th</sup> Edition, Hoboken, New Jersey. 1014p.

### Legend

- 1- Available in the University Library
- 2- Available in Departmental/School Libraries
- 3- Available on the Internet.
- 4- Available as Personal Collection
- 5- Available in local bookshops.

## COURSE OUTLINE

Week	Topic	Remarks
1	General introduction and brief countdown of the entire course will be done.	During this first class, the general rule governing the conduct of the lecture will be discussed. Mode of assessment and the need for student attendance in class will be given. Moreover students' expectations for the course will be documented.
2 & 3	Overview of various improved systems of procuring construction works. Merits and demerits of using each procurement option. Problems with conventional system and the modern procurement options	At the end of the third week, students will be asked to suggest the best procurement option for a given hypothetical project.
4	Introduction to Project Management system <ul style="list-style-type: none"> <li>• Why project management?</li> <li>• Objectives of project management</li> <li>• Who is a project manager?</li> <li>• Qualification and traits of a project manager</li> <li>• Types of project management system</li> <li>• Project management competencies areas</li> <li>• Responsibilities of project managers</li> </ul>	Students will be asked to make a critique of project management system as practiced in the country.
5	Leadership and project management <ul style="list-style-type: none"> <li>• Leadership styles</li> <li>• Leadership qualities</li> <li>• Remunerations for project management consultancy services.</li> </ul>	Students will be requested to read about spirit control temperament to understand why they behave the way they do. They will be asked to relate this with the chosen career (QS).
6 & 7	Project organisation and people <ul style="list-style-type: none"> <li>• Agreeing objectives with the people</li> <li>• Project support office (PSO)</li> <li>• Delegation</li> <li>• Motivation</li> <li>• Team composition: building on complementary strengths.</li> <li>• Team work</li> <li>• Communication</li> <li>• Punishment, reward for poor performance and good performance</li> </ul>	<b>MID-SEMESTER TEST</b>
8 & 9	Financial Management	

	<ul style="list-style-type: none"> <li>• Managerial Finance function</li> <li>• Routine Finance functions</li> <li>• Banking, Function of CBN and Commercial banks</li> <li>• The Primary Mortgage Institutions</li> <li>• The Financial Market</li> <li>• The Nigerian Money market</li> <li>• The Nigerian Stock Exchange</li> <li>•</li> </ul>	
10 & 11	<p>Funding arrangements for Project manager</p> <p>Sources of Fund:</p> <ul style="list-style-type: none"> <li>• Equity Capital as Source of Finance</li> <li>• Banking Borrowing as Source of Finance</li> <li>• Traditional Loan Sources</li> <li>• Debt Factoring</li> <li>• Loans Syndication/Consortium Loan</li> <li>• Foreign Source of Finance</li> <li>• Retained Earnings as Source of Finance</li> <li>• Public/Government Project Financing</li> <li>• World Bank Related Sources of Finance</li> </ul>	
12 & 13	<p>Depreciation</p> <ul style="list-style-type: none"> <li>• Methods of Charging Depreciation</li> <li>• The Sum of Digits Method</li> <li>• Reducing Balance Method</li> </ul>	
14	<p>Financial reporting/statements</p> <ul style="list-style-type: none"> <li>• Profit and Loss Account</li> <li>• Balance Sheet</li> <li>• Income and Expenditure Statement</li> <li>• Trading Accounts</li> <li>• Cash Flow Statements</li> </ul>	
15	<p>Wrap-up and Revision in preparation for the examination</p>	<p>This is the week preceding the final examination. At this time, evaluation will be done to assess how far the students' expectations for the course have been met.</p>