



UNIVERSITI TEKNOLOGI MARA

BCT633: CONSTRUCTION ECONOMICS AND ISLAMIC FINANCE

Course Name (English)	CONSTRUCTION ECONOMICS AND ISLAMIC FINANCE APPROVED
Course Code	BCT633
MQF Credit	3
Course Description	The general aim of this course is to introduce the principles of construction economics, construction supply and demand, the interpretation and the understanding of the process of cost planning, cost data, cost index and cost analysis utilizing the current information of a project. Besides, focuses on building design and cost implication towards building cost and the different building elements. It is also to understand and recognize the concept of life cycle costing and the calculation method of LCC to construct a new building. It is also will introduce basic concept of Islamic finance.
Transferable Skills	Construction manager, Construction economist
Teaching Methodologies	Lectures, Tutorial
CLO	<p>CLO1 Explain the fundamental principle of Islamic finance in property and development for construction industry.</p> <p>CLO2 Describe the process in managing the Islamic finance in property and development for construction industry.</p> <p>CLO3 Demonstrate the managerial skills in financing facilities for project life cycle in the construction industry.</p>
Pre-Requisite Courses	No course recommendations
Topics	
<p>1. Introduction of Finance. 1.1) Introduction to Finance 1.2) Importance of Finance in Construction Industry</p>	
<p>2. Basic Principles of Property Financing. 2.1) Structure of finance 2.2) Types of finance 2.3) Duration of finance 2.4) Nature of finance 2.5) Source of finance</p>	
<p>3. Basic of Islamic Financial Planning in Malaysia. 3.1) Introduction to Islamic Financial 3.2) Key Concepts of Islamic Financial Planning 3.3) Islamic Financial Products and Services 3.4) Financial planning industry in Malaysia 3.5) Role of Islamic Financial Planner 3.6) Differences between Islamic and Conventional Financial</p>	
<p>4. Development Investment and Costing. 4.1) Introduction of development 4.2) Rationale for development 4.3) Functions of the developer 4.4) Development process 4.5) Project Evaluation 4.6) Pre-Development Cost</p>	

5. Project Life Cycle Costing (LCC).

- 5.1) Introduction and definition of project life cycle
- 5.2) Application and objective of project LCC
- 5.3) Phase in LCC
- 5.4) Factor considered in calculation of LCC
- 5.5) LCC Calculation method

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	Assignment 1	30%	CLO3
	Final Test	Test 4 ('Final Exam - Covid 19)	20%	CLO2
	Final Test	Test 3 ('Final Exam - Covid 19 mode)''	30%	CLO1
	Test	Test 1	20%	CLO1

Reading List	Reference Book Resources
	<ul style="list-style-type: none"> • Yusof, A 1996, <i>Memahami Asas Kewangan</i>, DBP Kuala Lumpur • Ghosh, B. C. 1990, <i>Finance of Managers</i>, Pelanduk Publication • Charles, H. M. 1981, <i>Accounting and Financial Management for Construction</i>, John Wiley & Son • Leech, D. J. 1982, <i>Economics & Financial Studies for Engineers</i>, Ellis Horwood Publisher • Ahmad, K. 2011, <i>Construction Economics</i>, Pearson (M) Sdn Bhd

Article/Paper List	This Course does not have any article/paper resources
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Other References	This Course does not have any other resources
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