

UNIVERSITI TEKNOLOGI MARA BCT504: INDUSTRIALISED BUILDING SYSTEM (IBS)

Course Name (English)	INDUSTRIALISED BUILDING SYSTEM (IBS) APPROVED		
Course Code	BCT504		
MQF Credit	4		
Course Description	This course introduces application of IBS towards our construction industry. Starting with introduction and basic concept of IBS, advantages and disadvantages towards construction. It also outlines five main types of IBS, method of installations and implementation of IBS with Modular Coordination.		
Transferable Skills	1. Able to differentiate the processes of construction between IBS and Modular Coordination in construction industry; 2. Able to display the assembling skills related to construction process of IBS wall panel in construction industry; 3. Able to demonstrate teamwork skills in performing the IBS scoring system related to the construction drawing of the IBS building.		
Teaching Methodologies	Lectures, Blended Learning, Case Study, Discussion, Presentation		
CLO	 CLO1 Differentiate the processes of construction between IBS and Modular Coordination in construction industry. CLO2 Display the assembling skills related to construction process of IBS wall panel in construction industry. CLO3 Demonstrate teamwork skills in performing the IBS scoring system related to the construction drawing of the IBS building. 		
Pre-Requisite Courses	No course recommendations		
Topics			
1. 1.0 Introduction T 1.1) • Definition of IB	S disadvantages of IBS and Closed System BS in Project		
2.3.0 Introduction t 2.1) • Modular Design 2.2) • Modular Design	o Modular Coordination n Rules (MS1064) n Concept ces For Building Construction. JBBL 1984		
3. 5.0 Conventional 3.1) • Comparison ba	Construction vs. IBS used on 5M concept		
4.2) • Prefabrication 4.3) Block work Syste 4.4) • Steel Formworl 4.5) • Method of Han	ete Frame, Panel & Box system, Timber Framing System,		
5. 4.0 IBS Scoring S 5.1) • Introduction of	ystem IBS Scoring system to measure of IBS usage in building projects.		
6. 6.0 Construction 6.1) Construction Ind	Industry of Standard.(CIS 8 – CIS 13) ustry of Standard.(CIS 8 – CIS 13)		

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Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO	
	Assignment	Video presentation	10%	CLO3	
	Assignment	Video recording	30%	CLO2	
	Assignment	Online slide presentation	30%	CLO3	
	Test	Online	30%	CLO1	
	Reference Book ResourcesCiDB 2006, Industrialised Building System (IBS 2018, CIS 18:2018 Manual for IBS content scoring system (IBS Score), CIS 18: 2018 Ed., CIDB Malaysia Kuala Lumpur, Malaysia Trikha, D., N., & Abang Abdullah, A., A. 2004, Industrialised Building Systems, Universiti Putra Malaysia Press. UPM.Reference 				
Article/Paper List	This Course does not have any article/paper resources				
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