Subject Description Form

Subject Code	BRE350					
Subject Title	Project Management and Procurement					
Credit Value	3					
Level	3					
Pre-requisite	None					
Objective	Extend students' understanding of management principles and develop the knowledge of project management and procurement in the construction industry.					
Intended Learning Outcomes	 Upon completion of the subject, students will be able to: Apply knowledge of time, cost, quality, safety and environmental management to construction projects. Negotiate and resolve conflicts between management and employees. Communicate with others in a clear and articulated manner. Identify and propose solutions to project management and procurement problems. Identify the different forms of procurement and assess their impacts on the success of a project. Describe the principles underlying the choice of appropriate procurement systems. Apply and compare alternative procurement systems to all types of construction works. 					
Subject Synopsis / Indicative Syllabus	Quality, Safety and Environmental Management Quality assurance system, safety management system and environmental management. Human Resources Management Recruitment, selection and engagement of personnel in construction organizations, and industrial relations. Planning and Programming Techniques					
	 Planning and programming techniques including bar chart, critical path analysis and line of balance. Construction Procurement The nature of building process, models of the process. Categorization of procurement systems. Alternative procurement systems such as traditional sequential, traditional accelerated, competitive design and build, enhanced design and build, novated design and build, management contracting and construction management, guaranteed maximum price and target cost contracting, and public private partnership. Choice of appropriate procurement methods, allocation of risks and liabilities of the major parties to the arrangement. Relational contracting and its impact on procurement. Subcontracting management in construction. 					
Teaching / Learning Methodology	Lectures will be used to introduce systems and techniques whilst the small group work will be used for the application of management skills through quizzes and project presentation.					

Assessment Methods in	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)							
Alignment with			—	2	appropr 3				7	
Intended	1.Quizzes	15%	$\frac{1}{}$	\frac{2}{}	J √	4	5 √	6	/	
Learning Outcomes	2. Project Report & Presentation	15%	√ √	√ √	1	√	√ √	√	√	
	3.Examinations: Midterm (30%) and Final (40%)	70%	√	√	V		√	1	√	
	Total	100 %			<u> </u>				ı	
	 Project Report & Presentation – overall (group) assessment (15%) Oral communication skills: A for excellent, B for good, C for clear, D for barely sufficient, F for poor Data/information collection: A for excellent, B for good, C for adequate, D for barely sufficient, F for poor Data interpretation & analysis: A for excellent, B for good, C for adequate, D for barely sufficient, F for poor Identification of problem/issue: A for excellent, B for good, C for adequate, D for barely sufficient, F for poor Conclusion: A for excellent, B for convincing, C for adequate, D for barely sufficient, F for poor 									
Student Study	Class contact:	ог роог								
Effort Expected	 Lectures 					26 Hrs.				
	Project Seminars/Tutorials					12 Hrs.				
	Other student study effort:									
	■ Independent study					120 Hrs.				
	Total student study effort					158 Hrs.				
eading List and	ding List and Recommended Reading List:									
References	Project Management									
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