

Subject Description Form

Subject Code	BRE2691
Subject Title	Introductory Integrated Professional Workshop I
Credit Value	2
Level	2
Pre-requisite	Nil
Objectives	<p><i>This subject is intended to:</i></p> <ul style="list-style-type: none"> • Encourage the critical investigation, analysis and synthesis in solving problems in a multi-disciplinary surveying professional context. • Provide a platform for the students in different surveying disciplines to comprehend the essential knowledge of their partnering surveying disciplines. • Introduce the students' concept of the interdisciplinary nature of the surveying professions and equip with knowledge integration across different surveying disciplines. • Cultivate social responsibility, professional ethics and the awareness of trends and opportunities in the surveying professions. • Facilitate the students to develop lifelong learning skills for professional and personal development.
Intended Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> a) Understand how to integrate subject content and apply it to practical scenarios b) Appreciate the value of teamwork as an approach to solve problems in a multi-disciplinary surveying context. c) Apply knowledge and skills of different surveying professions to solve problems in a multi-disciplinary professional context d) Demonstrate practical skills in building construction drawings e) Develop self-learning abilities and use lifelong learning skills for learning autonomously
Subject Synopsis/ Indicative Syllabus	<p>BRE269, BRE369 and BRE469 are integrated with different levels of complexities. They are provided as a means to let the surveying students to learn and apply knowledge covering the five surveying disciplines (BS, GP, PD, PFM and QS). Students will be equipped with the essential core knowledge of surveying disciplines, other than the one they shall choose to specialize in. The course will be delivered through a mix of seminars, project work and student-centered learning.</p> <p>Multi-discipline Seminars</p> <p>A series of seminars will be set to bridge across the professional knowledge of students in different surveying disciplines so as to give them an all-round training in</p>

	<p>the surveying profession. They will be given problem-based assignments and asked to attend seminars so as to equip themselves with the knowledge base and professional skills to identify and solve the problems. Qualified surveyors from various surveying practices will also be invited to deliver up-front professional knowledge to the students.</p> <p>Multi-discipline Project work</p> <p>A series of construction and property related project scenarios will be set to integrate the knowledge of different surveying disciplines. The project will be designed to link as many of the individual subjects as possible into a common theme. They will study and undertake project work as a surveyor trainee under supervision in different surveying disciplines. The projects will also provide a team work opportunity for the students to simulate the actual work environment in a multi-disciplinary professional or industrial setting. The projects will be delivered by a team of lecturers drawn from different surveying disciplines so as to ensure the students can have an all-round training in the surveying professions.</p> <p>Student-centered learning</p> <p>A set of assignments will be delivered to the students to undergo research on specific subject areas that enhance their learning abilities in different surveying disciplines. In addition to seminars, students are expected to undertake guided study through web-based self-learning. They will be required and encouraged to take extra efforts to study subjects beyond their chosen surveying disciplines to acquire the minimum core competence of the five surveying disciplines.</p>																																																																																																																								
Teaching/Learning Methodology	<p>The project component “P” adopts a holistic approach. Students will form interdisciplinary team to share, integrate and apply knowledge. The seminars and student centred learning component “S” is designed for students to acquire the core competence for surveying disciplines in addition to their own choice of discipline.</p> <p>The core competence areas related to different surveying disciplines are listed in the first column. Students are grouped accordingly to their choice of progression pattern. The second column “QS” shows that a QS student will attend seminars to acquire the core competence of GP, PD and PFM. Similar interpretations will apply in the cases of BS, GP and PD students.</p> <table><tr><th></th><th colspan="4">Student Group Base on the choice of discipline</th></tr><tr><td>QS</td><td></td><td></td><td></td><td></td></tr><tr><td>Construction economics</td><td>P</td><td>P</td><td>P/S</td><td>P/S</td></tr><tr><td>Contract documentation, measurement & estimating</td><td>P</td><td>P</td><td>P/S</td><td>P/S</td></tr><tr><td>Construction contract law & administration</td><td>P</td><td>P</td><td>P/S</td><td>P/S</td></tr><tr><td>Construction technology & structure</td><td>P</td><td>P</td><td>P/S</td><td>P/S</td></tr><tr><td>Cost & value management</td><td>P</td><td>P/S</td><td>P/S</td><td>P/S</td></tr><tr><td>Dispute resolution</td><td>P</td><td>P/S</td><td>P/S</td><td>P/S</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>BS</td><td></td><td></td><td></td><td></td></tr><tr><td>Maintenance technology & management</td><td>P</td><td>P</td><td>P</td><td>P</td></tr><tr><td>Building ordinance and related legal aspects</td><td>P</td><td>P</td><td>P</td><td>P</td></tr><tr><td>Construction technology & structure</td><td>P</td><td>P</td><td>P/S</td><td>P/S</td></tr><tr><td>Building economics and contract administration</td><td>P</td><td>P</td><td>P/S</td><td>P/S</td></tr><tr><td>Facility management</td><td>P/S</td><td>P</td><td>P/S</td><td>P/S</td></tr><tr><td>Design, adaptation and conversion</td><td>P/S</td><td>P</td><td>P/S</td><td>P/S</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>GP</td><td></td><td></td><td></td><td></td></tr><tr><td>Property valuation</td><td>P/S</td><td>P/S</td><td>P</td><td>P</td></tr><tr><td>Property investment and finance</td><td>P/S</td><td>P/S</td><td>P</td><td>P/S</td></tr><tr><td>Property management and accountancy</td><td>P/S</td><td>P/S</td><td>P</td><td>P</td></tr><tr><td>Legal Studies: Sales and lettings of land and buildings</td><td>P/S</td><td>PS</td><td>P</td><td>P</td></tr><tr><td>Urban economics and real estate development</td><td>P/S</td><td>P/S</td><td>P</td><td>P/S</td></tr><tr><td>Business appraisal and asset management</td><td>P/S</td><td>P/S</td><td>P</td><td>P/S</td></tr></table>		Student Group Base on the choice of discipline				QS					Construction economics	P	P	P/S	P/S	Contract documentation, measurement & estimating	P	P	P/S	P/S	Construction contract law & administration	P	P	P/S	P/S	Construction technology & structure	P	P	P/S	P/S	Cost & value management	P	P/S	P/S	P/S	Dispute resolution	P	P/S	P/S	P/S						BS					Maintenance technology & management	P	P	P	P	Building ordinance and related legal aspects	P	P	P	P	Construction technology & structure	P	P	P/S	P/S	Building economics and contract administration	P	P	P/S	P/S	Facility management	P/S	P	P/S	P/S	Design, adaptation and conversion	P/S	P	P/S	P/S						GP					Property valuation	P/S	P/S	P	P	Property investment and finance	P/S	P/S	P	P/S	Property management and accountancy	P/S	P/S	P	P	Legal Studies: Sales and lettings of land and buildings	P/S	PS	P	P	Urban economics and real estate development	P/S	P/S	P	P/S	Business appraisal and asset management	P/S	P/S	P	P/S
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	Planning and development (PD)							
	Urban planning	P/S	P/S	P/S	P			
	Property investment and finance	P/S	P/S	P	P			
	Property development appraisal	P/S	P/S	P/S	P			
	Business appraisal and accountancy	P/S	P/S	P	P			
	Urban economics and real estate development	P/S	P/S	P	P			
	Transportation and environmental impact and assessment	P/S	P/S	P/S	P/S			
	Property and facility management (PFM)							
	Property asset management	P/S	P/S	P	P			
	Corporate real estate	P/S	P/S	P	P			
	Project management	P	P	P	P			
	Property management	P/S	P	P	P			
	Note: P: Professional Projects S: Seminars / Student centre-learning activities							
	Assessment Methods in Alignment with Intended Learning Outcomes							
		Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)				
				a	b	c	d	e
Coursework		100%	√	√	√	√	√	
Total		100 %						
Student Study Effort Required	Class contact:							
	▪ Lectures / seminars				10 Hrs			
	▪ Seminar / workshop				8 Hrs			
	▪ Workshop/ Laboratory (IC Training on Technical Drawing & CAD)				21 Hrs			
	Other student study effort:							
	▪ Research, preparation of seminar, assignment and project				41 Hrs.			
	▪ Total student study effort				80 Hrs.			
Reading List and References	To be assigned by participating lecturers of various subjects under the BRE Scheme.							