

Subject Description Form

Subject Code	ABCT5038
Subject Title	Expert Seminars / Special Topics in Sustainable Science and Technology
Credit Value	3
Level	5
Pre-requisite/ Co-requisite/ Exclusion	ABCT 5034 and ABCT 5035
Objectives	To update students with the latest development in various fronts of sustainable science and technology, enlightening them with possible areas for their future endeavours.
Intended Learning Outcomes	<p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> recognize the multi-disciplinary nature of carbon neutrality, and the possible approaches adopted in formulating solutions in a diverse range of problems; apply sustainable science and technology to alienate climate change; and adopt carbon credit exchange as a means to achieve carbon neutrality.
Subject Synopsis/ Indicative Syllabus	<p>Topics relevant to the latest development in various aspects of sustainability and carbon neutrality will be covered in the seminars presented by experts in the field.</p> <p>Students are expected to attend all seminars arranged for this subject. The attendance rate shall not be less than two-third of all seminars.</p>
Teaching/Learning Methodology	Distinguished speakers will deliver seminars on topics concerning the latest advancements in the field. This will broaden students' horizon and deepen their understanding of sustainable science and technology and related fields. This will stimulate students' further exploration of the topics. Students will write a critical reflection reports on the seminars. Assignments/quiz will also be used to assess students understanding of the seminar topics.

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed		
			a	b	c
	1. Reflection on expert seminars	50%	√	√	√
	2. Assignment/Quiz	50%	√	√	√
	Total	100%			
	<p>Reflection report on expert seminar will testify students’ learning experience, and the breadth and depth of their understanding of the seminar content.</p> <p>Assignments will be used to evaluate students’ capability to learn and analyse information in a self-managed and self-directed manner, and to communicate and to report findings professionally.</p> <p>Students will work on assignments on topics related to the seminar topics. They will work on the assignments and report the results, findings and conclusions in forms of assignment papers/reports. The assignments will reinforce the knowledge learnt from the seminars and incentivise students to explore further on the seminar topics.</p> <p>Quiz will be used to evaluate students’ level of understanding and provide high order thinking questions to assess students’ analytical and problem-solving skills.</p>				
Student Study Effort Expected	Class contact:				
	▪ Expert Seminars			39 Hrs.	
	Other student study effort:				
	▪ Reflection reports and assignments			20 Hrs.	
	▪ Self-learning and literature search			61 Hrs.	
	Total student study effort			120 Hrs.	
Reading List and References	Provided by the speakers of the seminars				