

Subject Description Form

Subject Code	BSE577
Subject Title	Research Project
Credit Value	3
Level	5
Pre-requisite/ Co-requisite/ Exclusion	NIL
Objectives	<p>This subject is intended to provide students a clear understanding in the application of research information as well as an ability to carry out and manage research.</p> <p>The aims of the research project subject are to:</p> <ol style="list-style-type: none"> 1. develop an understanding of scientific research methods; 2. conduct a comprehensive and rigorous literature review on the selected topic and identify relevant research objectives; 3. review a range of research methods and to critically examine their applications; 4. study the techniques necessary for collecting, presenting, synthesising and analysing data in order to solve a defined research problem, or test a hypothesis;
Intended Learning Outcomes	<p>Upon successful completion of this subject, the students will be able to:</p> <ol style="list-style-type: none"> a. acquire a clear understanding of basic research methods/processes as applied in facility management, architecture, and/or engineering design and management through a structured approach; b. conduct a comprehensive and rigorous literature review to identify relevant research gaps; c. carry out the various processes involved in undertaking a research project i.e. systematic search of relevant literature, scoping and choosing a research topic, deciding on the most appropriate approach in data collection, analysis and reporting of findings.
Subject Synopsis/ Indicative Syllabus	<p>A review of scientific research methods; research methodologies suitable for application in the discipline of facility management, architecture, and/or engineering design and management.</p> <p>Research methods/process: bibliographic databases; quantitative and qualitative data analysis; data sampling and testing; development and application of questionnaires; telephone surveys and interviews; analysing and evaluation of research data.</p> <p>Research project: Scoping a research project; planning and execution of the research project.</p>
Teaching/Learning Methodology	<p>Subject/lecture material is provided only as a base for the student's further study/research. This subject does not have an examination; continuous assessment will be based on project progress, tutorial discussions, written report and test/quiz.</p>

	<p>Based on lecture material/direction, students will be expected to undertake a research topic of their choice in any aspect of facility management, architecture and engineering design and management, subject to the approval of the subject examiner and/or tutor. A high level of student involvement/interaction and independent research is required. Students are required to participate actively in class/meeting discussions, research activities, and they are required to submit written report and attend test/quiz:</p> <ul style="list-style-type: none"> • Lectures • Tutorials • Independent study • Report and test/quiz <p><u>Assessment:</u> Continuous assessment 100%</p>																												
<p>Assessment Methods in Alignment with Intended Learning Outcomes</p>	<table border="1" data-bbox="432 745 1469 1211"> <thead> <tr> <th rowspan="2">Specific assessment methods/tasks</th> <th rowspan="2">% weighting</th> <th colspan="4">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th>a.</th> <th>b.</th> <th>c.</th> <th></th> </tr> </thead> <tbody> <tr> <td>1. Report</td> <td>70%</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>2. Test/Quiz</td> <td>30%</td> <td>✓</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>Total</td> <td>100%</td> <td colspan="4"></td> </tr> </tbody> </table> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>i) The test/quiz is designed to assess the students' individual ability in attaining the intended outcomes a) & c).</p> <p>ii) The interactive one-to-one tutorial (supported by experienced tutors) is designed to assist individual student in his/her chosen topic of research.</p> <p>iii) The report is to assess the overall ability of individual students in attaining the various intended outcomes.</p>	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)				a.	b.	c.		1. Report	70%	✓	✓	✓		2. Test/Quiz	30%	✓		✓		Total	100%				
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<p>Reading List and References</p>	<p>Bell, J. (2014). <i>Doing Your Research Project: A Guide for First-time Researchers in Education and Social Science</i>, 6th Ed., Open University Press.</p> <p>Renate Howe & Ros Lewis (1993). <i>A Student Guide to Research in Social Science</i>, Cambridge University Press.</p> <p>Robert Weissberg & Suzanne Buker (1990). <i>Writing Up Research</i>, Prentice Hall Regents.</p> <p>Ticehurst, G.W. & Veal, A.J. (2000). <i>Business Research Methods – A Managerial Approach</i>, 4th Ed. Longman.</p> <p>Uma Sekaran & Roger Bougie (2013). <i>Research Methods for Business: A Skill-building Approach</i>, 6th Ed., John Wiley & Sons, Inc.</p>																												