

Subject Description Form

Subject Code	AMA6887
Subject Title	Guided Study on Research Topics in Applied Mathematics
Credit Value	3
Level	6
Pre-requisite / Co-requisite/ Exclusion	Postgraduate course
Objectives	<ul style="list-style-type: none"> ◆ To broaden students' knowledge in applied mathematics through literature searching in various fields including applied optimization, operations research, applied statistics, financial mathematics, engineering mathematics, and computational mathematics. ◆ To enhance student's written and oral presentation skills through their own research work or topics of their interests.
Intended Learning Outcomes <i>(Note 1)</i>	<p>Upon completion of the subject, students will be able to:</p> <ul style="list-style-type: none"> (a) Acquire knowledge and awareness of the latest advances in research development in applied mathematics from literature related to topics of interest. (b) Do research on an agreed topic (c) Improve written and oral presentation skills of research results on current topics of interest.
Subject Synopsis/ Indicative Syllabus <i>(Note 2)</i>	<ul style="list-style-type: none"> ◆ The topic is determined by the Supervisor of the M. Phil/Ph. D student. ◆ Students must hand the completed guided study report to supervisor with adequate of related literature references. ◆ Student should consult supervisor regularly about the progress of the literature reviewing progress.

Teaching/Learning Methodology <i>(Note 3)</i>	Meet assigned supervisor regularly Hand the report with full list of references																																																																						
Assessment Methods in Alignment with Intended Learning Outcomes <i>(Note 4)</i>	<table border="1" data-bbox="523 376 1471 757"> <thead> <tr> <th data-bbox="523 376 858 479" rowspan="2">Specific assessment methods/tasks</th> <th data-bbox="868 376 1002 479" rowspan="2">% weighting</th> <th colspan="6" data-bbox="1011 376 1471 479">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th data-bbox="1011 479 1082 510">a</th> <th data-bbox="1091 479 1161 510">b</th> <th data-bbox="1171 479 1241 510">c</th> <th data-bbox="1251 479 1321 510">d</th> <th data-bbox="1331 479 1401 510">e</th> <th data-bbox="1410 479 1471 510"></th> </tr> </thead> <tbody> <tr> <td data-bbox="523 510 858 582">Continuous assessment</td> <td data-bbox="868 510 1002 582">100</td> <td data-bbox="1011 510 1082 582">√</td> <td data-bbox="1091 510 1161 582">√</td> <td data-bbox="1171 510 1241 582">√</td> <td data-bbox="1251 510 1321 582"></td> <td data-bbox="1331 510 1401 582"></td> <td data-bbox="1410 510 1471 582"></td> </tr> <tr> <td data-bbox="523 582 858 654"></td> <td data-bbox="868 582 1002 654"></td> <td data-bbox="1011 582 1082 654"></td> <td data-bbox="1091 582 1161 654"></td> <td data-bbox="1171 582 1241 654"></td> <td data-bbox="1251 582 1321 654"></td> <td data-bbox="1331 582 1401 654"></td> <td data-bbox="1410 582 1471 654"></td> </tr> <tr> <td data-bbox="523 654 858 757">Total</td> <td data-bbox="868 654 1002 757">100 %</td> <td colspan="6" data-bbox="1011 654 1471 757"></td> </tr> </tbody> </table> <p data-bbox="523 792 1471 981"> Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes: Supervisor will go through the literature report and project report, and check the references and give a final grade to the final report </p>								Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)						a	b	c	d	e		Continuous assessment	100	√	√	√												Total	100 %																															
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Note 1: Intended Learning Outcomes

Intended learning outcomes should state what students should be able to do or attain upon completion of the subject. Subject outcomes are expected to contribute to the attainment of the overall programme outcomes.

Note 2: Subject Synopsis/ Indicative Syllabus

The syllabus should adequately address the intended learning outcomes. At the same time over-crowding of the syllabus should be avoided.

Note 3: Teaching/Learning Methodology

This section should include a brief description of the teaching and learning methods to be employed to facilitate learning, and a justification of how the methods are aligned with the intended learning outcomes of the subject.

Note 4: Assessment Method

This section should include the assessment method(s) to be used and its relative weighting, and indicate which of the subject intended learning outcomes that each method purports to assess. It should also provide a brief explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes.