

## The Hong Kong Polytechnic University

### Subject Description Form

<b>Subject Code</b>	AP6911					
<b>Subject Title</b>	Guided Study in Physics of Low-Dimensional Materials					
<b>Credit Value</b>	3					
<b>Level</b>	6					
<b>Pre-requisite / Co-requisite/ Exclusion</b>	None					
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• To broaden student's research knowledge related to low-dimensional materials through literature searching in various fields</li> <li>• To enhance student's writing skill through their own research work or topics of their interest.</li> </ul>					
<b>Intended Learning Outcomes</b>	<p>Upon completion of the subject, students will be able to:</p> <p>a) Acquire knowledge and awareness of the latest advances in research development of low-dimensional materials from literature searching in their respective fields;</p> <p>b) Improve skills in writing collective materials on current topics of interests.</p>					
<b>Subject Synopsis/ Indicative Syllabus</b>	<ul style="list-style-type: none"> <li>• Students must submit the completed guided study report to supervisor with adequate literature references.</li> <li>• Students should consult supervisor regularly about the progress of the literature reviewing progress.</li> </ul>					
<b>Teaching/Learning Methodology</b>	The students required to meet their supervisor(s) regularly, submit report with full list of related references.					
<b>Assessment Methods in Alignment with Intended Learning Outcomes</b>	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)			
			a	b	c	d
	1. Literature report	100%	✓	✓		
	Total	100 %				
<p>Explanation of the appropriateness of the assessment method in assessing the intended learning outcome:</p> <p>1. Supervisor(s) will go through the literature report and check the references and give a final grade to the report.</p>						

<b>Student Study Effort Expected</b>	Class contact:	
	▪ Lectures/Seminar	27 Hrs.
	Other student study effort:	
	▪ Literature search	51 Hrs.
	▪ Writing report	42 Hrs.
	Total student study effort	120 Hrs.
<b>Reading List and References</b>	To be suggested by the corresponding supervisor(s).	