

# The Hong Kong Polytechnic University

## Subject Description Form

<b>Subject Code</b>	ABCT6805																																				
<b>Subject Title</b>	Guided Study on Frontier Research Topics in Chemistry																																				
<b>Credit Value</b>	Three																																				
<b>Level</b>	6																																				
<b>Pre-requisite / Co-requisite/ Exclusion</b>	Nil																																				
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• To broaden students' chemistry knowledge through literature searching in various fields.</li> <li>• To enhance student's writing skill through their own research work or topics of their interests.</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 in chemistry 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 hand in the completed guided study report to supervisor with adequate of related literature references.</li> <li>• Student should consult supervisor regularly about the progress of the literature reviewing progress.</li> </ul>																																				
<b>Teaching/Learning Methodology</b>	<p>Meet assigned supervisor regularly</p> <p>Hand in report with full list of references</p>																																				
<b>Assessment Methods in Alignment with Intended Learning Outcomes</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 25%;">Specific assessment methods/tasks</th> <th rowspan="2" style="width: 15%;">% weighting</th> <th colspan="6">Intended subject learning outcomes to be assessed (Please tick as appropriate)</th> </tr> <tr> <th style="width: 5%;">a</th> <th style="width: 5%;">b</th> <th style="width: 5%;"></th> <th style="width: 5%;"></th> <th style="width: 5%;"></th> <th style="width: 5%;"></th> </tr> </thead> <tbody> <tr> <td>Literature report</td> <td style="text-align: center;">100</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td style="text-align: center;">100 %</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <p>Supervisor will go through the literature 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					Literature report	100	✓	✓					Total	100 %						
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Total	100 %																																				

<b>Student Study Effort Expected</b>	Student contact:	
	• Attendance in seminars	10 Hrs.
	Other student study effort:	
	• Literature search	70 Hrs.
	Report writing	40 Hrs.
	Total student study effort	120 Hrs.
<b>Reading List and References</b>		