

# The Hong Kong Polytechnic University

## Subject Description Form

<b>Subject Code</b>	ABCT6807													
<b>Subject Title</b>	Guided Study on Frontier Research Topics in Chemical Technology													
<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' technology knowledge related to chemistry 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 technology 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>	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)											
			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">a</td> <td style="width: 5%;">b</td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> </tr> <tr> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	a	b					✓	✓			
a	b													
✓	✓													
	Literature report	100												
	Total	100 %												
<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>														

<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>		