

## Subject Description Form

<b>Subject Code</b>	ABCT1002
<b>Subject Title</b>	Freshman Orientation for ABCT students
<b>Credit Value</b>	1
<b>Level</b>	1
<b>Pre-requisite/ Co-requisite/ Exclusion</b>	Nil
<b>Objectives</b>	<p>(a) To introduce and enthuse students in the Chemical Technology, Applied Biology with Biotechnology, and Food Safety and Technology programmes to their major disciplines;</p> <p>(b) To expose students to the basic skills of teamwork and leadership, and the concepts and an understanding of their disciplined-based professional career development with the incorporation of entrepreneurship;</p> <p>(c) To foster students' creativity, effective communications skills and innovative problem-solving abilities, as well as development of and global outlook;</p> <p>(d) To engage students, in their first year of study, in desirable forms of learning at a university setting that are conducive to smooth adjustment to University life, self-regulation, and lifelong learning.</p>
<b>Intended Learning Outcomes</b>	<p>Upon completion of the subject, students will be able to:</p> <p>(a) develop personal goal(s) and plan their own study in university</p> <p>(b) command the basic communication and interpersonal skills in teamwork</p> <p>(c) appreciate spirits of entrepreneurship and innovation for benefits of mankind</p>
<b>Subject Synopsis/ Indicative Syllabus</b>	<ul style="list-style-type: none"> <li>• Understanding programme design and curriculum structure</li> <li>• Facilities supporting learning in PolyU</li> <li>• Career and life planning, ways to achieve personal goals and successes</li> </ul>

	<ul style="list-style-type: none"> <li>• Team works</li> </ul>																												
<p><b>Teaching/Learning Methodology</b></p>	<ul style="list-style-type: none"> <li>• Lectures and seminars by professors and renowned experts from various areas to inspire students about their major study and to motivate students' career aspiration.</li> <li>• Alumni from various areas are invited to seminar to students. The speakers are not limited to scholars; entrepreneurs and leaders in specific areas would be invited. Some have been working in the industrial/ commercial sector for years. Through sharing their success stories, our students will gain more understanding about the spirit of entrepreneurship.</li> <li>• The importance of learning to learn and lifelong learning are introduced to students through the workshops organized in collaboration with the supporting offices, such as Library and Student Affairs Office.</li> <li>• Small group projects to develop students' the ability of innovative problem-solving ability and their understanding/application of theories in different disciplines.</li> <li>• Students will be informed to form groups in the first class. They have to come up with a grouping and a project title in week 2-4. They will need to search for materials and information and report to the supervisor progress of the project regularly. Supervisors will continuously monitor students' work. By the end of semester, each group will submit a video presentation and come up with a written report to demonstrate their leadership, teamwork and individual performance.</li> </ul>																												
<p><b>Assessment Methods in Alignment with Intended Learning Outcomes</b></p>	<p>Students' performance will be assessed by a letter-grading system. The following assessment methods will be adopted:</p> <table border="1" data-bbox="520 1641 1466 2136"> <thead> <tr> <th rowspan="2">Specific assessment methods</th> <th rowspan="2">% weighting</th> <th colspan="3">Intended subject learning outcomes to be assessed</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> </tr> </thead> <tbody> <tr> <td>1. Project write-up</td> <td>35%</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>2. Project presentation (Video)</td> <td>35%</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>3. Attendance</td> <td>15%</td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>4. Interview Report</td> <td>15%</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> </tbody> </table>	Specific assessment methods	% weighting	Intended subject learning outcomes to be assessed			a	b	c	1. Project write-up	35%	✓	✓	✓	2. Project presentation (Video)	35%	✓	✓	✓	3. Attendance	15%	✓		✓	4. Interview Report	15%	✓	✓	✓
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	Total	100%	
	<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:</p> <ol style="list-style-type: none"> <li>1. Project write-up – A project write-up forms the most important part of the assessment for this subject. Students are required to design a science-based multidisciplinary project to critically examine and to suggest possible solutions to a daily life problem. The project will be assessed based on its creativity, demonstration of critical thinking and the viability of the proposed solutions. The required number of words for the project is 3,000 – 5,000 per group.</li> <li>2. Project video presentation – Students are required to create a video to present their project. Assessment will be based on similar criteria as above.</li> <li>3. Attendance – Students are expected to attend all the classes. The attendance of those joined the class after the seminar started may not be counted.</li> <li>4. Interview Report – Each student will be asked to write a summary report based on the group interview with a designated academic staff. Students will be assessed on their preparation of questions and report of the interview. Students are welcome to demonstrate their creativity in the design of the report. The required number of words for the report is 500 - 700.</li> </ol>		
<b>Student Study Effort Expected</b>	Class contact:		
	▪ Lecture/Seminar/Workshop	10 Hrs.	
	▪ Tutorial	3 Hrs.	
	Other Student study effort		
	• Preparation of Presentation Video	13 Hrs	
	▪ Reading/writing/preparation of the project presentation and the write-up	13 Hrs.	
	Total student study effort		39 Hrs.
<b>Reading List and References</b>	<p>References</p> <ol style="list-style-type: none"> <li>1. The Secrets of College Success/Lynn F. Jacobs, and Jeremy S. Hyman. San Francisco: Jossey-Bass (A Wiley Imprint), 2010.</li> </ol>		