

Subject Code	BME3S02																
Subject Title	Assistive Technologies: Service learning towards the elderly and disabled																
Hosting Dept	Interdisciplinary Division of Biomedical Engineering																
Level	3																
Class Quota	40																
Medium of Instruction	English																
Subject Duration	Semester 2 + Summer Term																
Teaching Staff	Dr. Eric Tam																
Target Students	GUR for students with engineering, health care & design background																
Pre-requisites	Nil																
Selection of Students Required?	No																
Subject Synopsis	<a href="http://www.polyu.edu.hk/bme/programmes/syllabus_list.html">http://www.polyu.edu.hk/bme/programmes/syllabus_list.html</a>																
Service Project																	
What will students do to serve?	<p>Service learning projects involving real-world clients will be organized through special schools for the people with disabilities, NGOs and other rehabilitation related organizations. During direct service rendering, students will be working in groups to tackle a specific need of the client that is presented to them. Students then will utilize their learned skills to analyse the situation and propose a solution. Whenever feasible, the students will construct the assistive device for the user.</p> <p>Examples of the projects include designing a device to facilitate daily activities; accessing computer; playing a musical instrument, etc. The outcome of these projects can also include conceptual designs of a complex device or a working prototype.</p>																
Whom will students serve?	Disabled students and older adults																
Where will students serve?	<table style="width: 100%; border: none;"> <tr> <td style="width: 30px;"><input checked="" type="checkbox"/></td> <td style="width: 300px;">Hong Kong</td> <td style="width: 100px;">District:</td> <td style="border-bottom: 1px solid black; width: 200px;"></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Chinese mainland</td> <td>Province:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Taiwan</td> <td>City:</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Macau</td> <td></td> <td></td> </tr> </table>	<input checked="" type="checkbox"/>	Hong Kong	District:		<input type="checkbox"/>	Chinese mainland	Province:		<input type="checkbox"/>	Taiwan	City:		<input type="checkbox"/>	Macau		
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	<input type="checkbox"/> Overseas                      Country: _____ City: _____
When will students serve?	Tentatively scheduled on mainly Saturday morning depending on collaborating agencies, until the beginning of Semester 3
Fee payable by students	N/A
Enquiry	Dr. Eric Tam, <a href="mailto:eric.tam@polyu.edu.hk">eric.tam@polyu.edu.hk</a>