

<b>Subject Code</b>	BME3S02																					
<b>Subject Title</b>	Assistive Technologies: Service learning towards the elderly and disabled																					
<b>Hosting Department</b>	Department of Biomedical Engineering																					
<b>Level</b>	3																					
<b>Class Quota</b>	100																					
<b>Medium of Instruction</b>	English																					
<b>Subject Duration</b>	Semester 2 +3* *end before semester 3 starts																					
<b>Teaching Staff</b>	Dr. Christina Zonghao MA, Dr. James Chung-Wai CHEUNG																					
<b>Target Students</b>	GUR for students with engineering, health care & design background																					
<b>Pre-requisites</b>	Nil																					
<b>Selection of students required?</b>	No																					
<b>Subject Synopsis</b>	<a href="https://www.polyu.edu.hk/bme/wp-content/uploads/2017/11/BME3S02.pdf">https://www.polyu.edu.hk/bme/wp-content/uploads/2017/11/BME3S02.pdf</a>																					
<b>Service Project</b>																						
<b>What will students do to serve?</b>	<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>																					
<b>Whom will students serve?</b>	Disabled students and older adults																					
<b>Where will students serve?</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 30px;"><input checked="" type="checkbox"/></td> <td style="width: 200px;">Hong Kong</td> <td style="width: 100px;">District: _____</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Chinese mainland</td> <td>Province: _____</td> </tr> <tr> <td></td> <td></td> <td>City: _____</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Taiwan</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Macau</td> <td></td> </tr> <tr> <td><input type="checkbox"/></td> <td>Overseas</td> <td>Country: _____</td> </tr> <tr> <td></td> <td></td> <td>City: _____</td> </tr> </table>	<input checked="" type="checkbox"/>	Hong Kong	District: _____	<input type="checkbox"/>	Chinese mainland	Province: _____			City: _____	<input type="checkbox"/>	Taiwan		<input type="checkbox"/>	Macau		<input type="checkbox"/>	Overseas	Country: _____			City: _____
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		City: _____																				
<b>When will students serve?</b>	Depending on collaborating agencies																					
<b>Fee payable by students</b>	N/A																					

<b>Subject and Service Attributes</b>	
<b>Teaching and Learning</b>	<input checked="" type="checkbox"/> #OnlineTeaching <input type="checkbox"/> #HybridTeaching
<b>Service Mode</b>	<input type="checkbox"/> #OnlineService <input type="checkbox"/> #HybridService <input checked="" type="checkbox"/> #F2FService
<b>Service Language</b>	<input checked="" type="checkbox"/> #ServiceClient_Cantonese <input type="checkbox"/> #ServiceClient_English <input type="checkbox"/> #ServiceClient_Putonghua <input type="checkbox"/> #ServiceClient_OtherNonEnglish
<b>Service Location</b>	<input checked="" type="checkbox"/> #Location_HK <input type="checkbox"/> #Location_MainlandChina <input type="checkbox"/> #Location_Taiwan <input type="checkbox"/> #Location_Macau <input type="checkbox"/> #Location_Overseas
<b>Enquiry</b>	Dr. Christina Zonghao MA, <a href="mailto:czh.ma@polyu.edu.hk">czh.ma@polyu.edu.hk</a> Dr. James Chung-Wai CHEUNG, <a href="mailto:james.chungwai.cheung@polyu.edu.hk">james.chungwai.cheung@polyu.edu.hk</a>