Subject Code	BME3S02		
Subject Title	Assistive Technologies: Service learning towards the elderly and disabled		
Hosting Dept	Department of Biomedical Engineering		
Level	3		
Class Quota	60		
Medium of Instruction	English		
Subject Duration	Semester 2 till summer term start (18 weeks)		
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	https://www.polyu.edu.hk/bme/wp-		
	content/uploads/2017/11/BN	ME3S02.pdf	
Service Project			
What will students do to serve?	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.		
	students will construct the assistive device for the user.		
	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.		
	a complex device of a working	g prototype.	
Whom will students serve?	Disabled students and older adults		
Where will students serve?			
	Hong Kong	District:	
	Chinese mainland	Province:	
		City:	

		Macau	
		Overseas	Country:
			City:
When will students serve?	Depending on collaborating agencies		
Fee payable by students	N/A		
Enquiry	Dr. Eric	Tam, <u>eric.tam@polyu</u>	<u>.edu.hk</u>