

Subject Code	ISE3S01
Subject Title	Engineering for the Needy
Hosting Dept	Department of Industrial and Systems Engineering
Level	3
Class Quota	60
Medium of Instruction	English
Subject Duration	Semester 2 + Summer Term
Teaching Staff	Prof. CY Tang, Dr Kris Law, Dr Gary Tsui, Dr Dennis Lo
Target Students	GUR, open for year 2 or above students from FENG
Pre-requisites	COMP1901 or ENG1003
Selection of Students Required?	No
Subject Synopsis	http://www.ise.polyu.edu.hk/programmes/info/1
Service Project	
What will students do to serve?	<p>Students are required to devote around 40 hours of community service learning at the sites of community partner(s) in the special needs/care education sector. Students require having direct interaction with the beneficiaries. Examples of such direct interaction may include analysis of beneficiaries' actual needs before embarking on designing and implementing the projects, product delivery and testing, collecting users' feedback and interactive design and development, etc.</p> <p>The service component consist of:</p> <ol style="list-style-type: none"> (1) Pre-project visit to the community partner(s) to have better understanding of the underprivileged group; (2) Project preparation visits; (3) Interim visits during the projects; (4) Visits to deliver the project outcomes (i.e. developed system, designed products for the concerned group, etc.) (5) Final dissemination of the project outcomes (presentation of the project outcomes to the concerned group(s))
Whom will students serve?	<p>Hong Kong service: concerned group of people with disabilities or need special care and the NGOs serving in the special needs education sectors and underprivileged</p> <p>or</p>

Remarks: The information given above is subject to change.

	Chinese Mainland service: rural school in low-developed area in mainland china for facilities improvement
Where will students serve?	<input checked="" type="checkbox"/> Hong Kong District: _____ <input checked="" type="checkbox"/> Chinese mainland Province: _____ City: _____ <input type="checkbox"/> Taiwan <input type="checkbox"/> Macau <input type="checkbox"/> Overseas Country: _____ City: _____
When will students serve?	Exact time will vary depending on the community partner's capacity. Services will be carried out in summer term which last for 1-2 weeks.
Fee payable by students	Hong Kong: N/A Chinese Mainland: HK\$900 (TBC)
Enquiry	Dr. Dennis Lo, dennis.lo@polyu.edu.hk