Subject Code	ISE2S02S
Subject Title	Comprehending and Overcoming Learning Hurdles in Science, Technology, Engineering, and Mathematics (STEM) for Local Schools
Hosting Department	Department of Industrial and Systems Engineering
Level	2
Class Quota	160
Medium of Instruction	English, supplemented by Chinese as appropriate for service delivery
Subject Duration	Summer Term
Teaching Staff	Prof. CY Tang, Prof. KC Chan , Dr Gary Tsui, Dr Roy Law , Dr YM Tang
Target Students	GUR, open for all students from FENG, FCE and FS
Pre-requisites	Nil
Selection of students required?	No
Subject Synopsis	https://www.polyu.edu.hk/ise/current-students/programme-related-info/subject-syllabus/

Service Project

What will students do to serve?	Students will work in groups and be attached to secondary schools with insufficient support and/or resources in promoting scientific thinking and literacy as well as problem - solving skills. The focus of the projects will be on teaching and learning STEM (Science, Technology, Engineering and Mathematics) concepts and theories while cultivating a spirit of scientific literacy and thinking. Example service-learning projects included designing projects to illustrate STEM concepts to school children; designing worksheets to help the children practice STEM concepts; assisting children with STEM subjects; organizing STEM awareness workshops and activities for children, etc.
Whom will students serve?	Underprivileged secondary school students
Where will students serve?	☒ Hong Kong — District: ☐ Chinese mainland — Province: City: ☐ Taiwan ☐ Macau ☐ Overseas — Country: City:
When will students serve?	Exact time will vary depending on the school to which the students are attached. Some project activities may be held on weekends.
Fee payable by students	N/A

Subject and Service Attributes

Teaching and Learning	☐ #OnlineTeaching (Depends on pandemic situation) ☐ #HybridTeaching
Service Mode	☐ #OnlineService (Depends on pandemic situation) ☐ #HybridService ☐ #F2FService

Remarks: The information given above is subject to change.

Service Language	☒	#ServiceClient_Cantonese
	☒	#ServiceClient_English
	☐	#ServiceClient_Putonghua
	☐	#ServiceClient_OtherNonEnglish
Service Location	☒	#Location_HK
	☐	#Location_MainlandChina
	☐	#Location_Taiwan
	☐	#Location_Macau
	☐	#Location_Overseas
Enquiry	Dr. YM Tang (yukming.tang@polyu.edu.hk)	

Remarks: The information given above is subject to change.