

|  |   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
|--|---|-------------------------------------|-----------|--------------------|--------------------------|------------------|-----------|--|--|-------|--------------------------|--------|--|--------------------------|-------|--|--------------------------|----------|----------|--|--|-------|
| <b>Subject Code</b>                    | ISE3S01   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Subject Title</b>                   | Engineering for the Needy   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Hosting Department</b>              | Department of Industrial and Systems Engineering  |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Level</b>                           | 3   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Class Quota</b>                     | 60  |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Medium of Instruction</b>           | English   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Subject Duration</b>                | Semester 2 + Summer Term  |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Teaching Staff</b>                  | Prof. CY Tang, Dr. Gary Tsui  |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Target Students</b>                 | GUR, open for year 2 or above students from FENG  |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Pre-requisites</b>                  | COMP1901 or ENG1003   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Selection of students required?</b> | No  |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Subject Synopsis</b>                | <a href="https://www.polyu.edu.hk/ise/-/media/department/ise/content/study/current-student/programme-related-info/subject-syllabi/ise3s01.doc?la=en&amp;hash=F7A36B2DB8DF7943D7194310AD7EF4A4">https://www.polyu.edu.hk/ise/-/media/department/ise/content/study/current-student/programme-related-info/subject-syllabi/ise3s01.doc?la=en&amp;hash=F7A36B2DB8DF7943D7194310AD7EF4A4</a>   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Service Project</b>                 |   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>What will students do to serve?</b> | <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 consists of:</p> <ol style="list-style-type: none"> <li>(1) Pre-project visit to the community partner(s) to have better understanding of the underprivileged group;</li> <li>(2) Project preparation visits;</li> <li>(3) Interim visits during the projects;</li> <li>(4) Visits to deliver the project outcomes (i.e. developed system, designed products for the concerned group, etc.)</li> <li>(5) Final dissemination of the project outcomes (presentation of the project outcomes to the concerned group(s))</li> </ol> |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <b>Whom will students serve?</b>       | 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   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <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="border-bottom: 1px solid black;">District: Tuen Mun</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Chinese mainland</td> <td style="border-bottom: 1px solid black;">Province:</td> </tr> <tr> <td></td> <td></td> <td style="border-bottom: 1px solid black;">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 style="border-bottom: 1px solid black;">Country:</td> </tr> <tr> <td></td> <td></td> <td style="border-bottom: 1px solid black;">City:</td> </tr> </table>   | <input checked="" type="checkbox"/> | Hong Kong | District: Tuen Mun | <input type="checkbox"/> | Chinese mainland | Province: |  |  | City: | <input type="checkbox"/> | Taiwan |  | <input type="checkbox"/> | Macau |  | <input type="checkbox"/> | Overseas | Country: |  |  | City: |
| <input checked="" type="checkbox"/>    | Hong Kong   | District: Tuen Mun                  |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <input type="checkbox"/>               | Chinese mainland  | Province:                           |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
|  |   | City:                               |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <input type="checkbox"/>               | Taiwan  |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <input type="checkbox"/>               | Macau   |                                     |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
| <input type="checkbox"/>               | Overseas  | Country:                            |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |
|  |   | City:                               |           |                    |                          |                  |           |  |  |       |                          |        |  |                          |       |  |                          |          |          |  |  |       |

|                                  |  |
|----------------------------------|--|
| <b>When will students serve?</b> | 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.  |
| <b>Fee payable by students</b>   | Hong Kong: N/A   |
| <b>Service Attributes</b>        |  |
| <b>Service Mode</b>              | <input type="checkbox"/> #OnlineService<br><input checked="" type="checkbox"/> #F2FService   |
| <b>Service Language</b>          | <input checked="" type="checkbox"/> #ServiceClient_Cantonese<br><input type="checkbox"/> #ServiceClient_English<br><input type="checkbox"/> #ServiceClient_Putonghua<br><input type="checkbox"/> #ServiceClient_OtherNonEnglish              |
| <b>Service Location</b>          | <input checked="" type="checkbox"/> #Location_HK<br><input type="checkbox"/> #Location_MainlandChina<br><input type="checkbox"/> #Location_Taiwan<br><input type="checkbox"/> #Location_Macau<br><input type="checkbox"/> #Location_Overseas |
| <b>Enquiry</b>                   | Dr. Gary Tsui ( <a href="mailto:gary.c.p.tsui@polyu.edu.hk">gary.c.p.tsui@polyu.edu.hk</a> )   |