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| <b>Subject Code</b>                    | ABCT2S01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Subject Title</b>                   | Educating Rural Farmers on Healthier Food Production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Hosting Department</b>              | Department of Applied Biology & Chemical Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Level</b>                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Class Quota</b>                     | 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Medium of Instruction</b>           | English<br>As the service clients are Putonghua/Cantonese-speaking people, students who can communicate in Putonghua and/or Cantonese will have an advantage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Subject Duration</b>                | 2-semesters (Semester 1 + 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Teaching Staff</b>                  | Dr. Gilbert Chan, Dr. Xi Wei, Dr. Anna Cheung                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Target Students</b>                 | Full-time students on new 4-year undergraduate degree curriculum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Pre-requisites / Requirements</b>   | Nil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Selection of students required?</b> | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Subject Synopsis</b>                | <a href="http://www.polyu.edu.hk/abct/en/service-learning-subjects.php">http://www.polyu.edu.hk/abct/en/service-learning-subjects.php</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Service Project</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>What will students do to serve?</b> | Students will be taken to a selected rural farming community. They will be required to use their knowledge and skills acquired in class to help the farmers to raise the crop growing standard. It is targeted to enhance the efficiency in using resources, especially on energy, raising the productivity level, reducing in default rate, and to enhance the crop quality and quantity. Students will use computer simulated models, fabrication of agricultural devices and by any other modes or demonstrations, including active involvement in routine farming activities, so as to help and to communicate with the rural farmers. |
| <b>Whom will students serve?</b>       | Rural farmers in Chinese Mainland or Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Where will students serve?</b>      | Chinese Mainland or Hong Kong<br><br>(Remark: It may necessitate specific selection requirements on participating students. The teaching team will make the final decisions on project allocation, but efforts will be made to accommodate student preferences on their choice of project.)                                                                                                                                                                                                                                                                                                                                                |
| <b>When will students serve?</b>       | Students will be taken to a selected rural farming community. The visit to Chinese Mainland will take place in the semester break and last for about 7 consecutive days (the first and the last day on travelling).<br>The local service will take place during the semester.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Enquiry</b>                         | Dr. Xi Wei<br>Tel: 3400 8711                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |