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| Subject Code | COMP2S01 |
| Subject Title | Technology Beyond Borders: Service Learning across Cultural, Ethnic and Community Lines |
| Hosting Department | Department of Computing |
| Level | 2 |
| Class Quota | 200 |
| Medium of Instruction | English |
| Subject Duration | Semester 2 + Summer Term |
| Teaching Staff | Dr Stephen Chan, Dr Grace Ngai |
| Target Students | GUR, open for all |
| Pre-requisites | Nil |
| Selection of students required? | Overseas projects (pre-selection of students required): 94 students Local Projects (pre-selection of students not required): 106 students |
| Subject Synopsis | http://www.comp.polyu.edu.hk/filemanager/en/content_189/COMP2S01.pdf |

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| <p>Service Project</p> <p>What will students do to serve?</p> | <p>We have 5 projects this year:</p> <p>Projects Requiring Pre-selection of Students:</p> <p>Rwanda Service-Learning Project This project has two aspects:</p> <ul style="list-style-type: none"> - Help rural families in Rwanda through solar energy. We will design solar energy panels for poor families and also wire up their homes with basic electricity appliances. - Build a community learning center. Last year’s team installed solar power in this community center and we will turn it into a learning center for the local children. We will design learning resources that will teach children about science and engineering, and teach them how to use these resources. <p>Cambodia Service-Learning Project This project has two aspects:</p> <ul style="list-style-type: none"> - Help rural families in Rwanda through solar energy. We will design solar energy panels for poor families and also wire up their homes with basic electricity appliances. - Build a learning center. We will design and install a learning center and computer lab for a local school. We will design learning resources that will teach children about science and engineering, and teach them how to use these resources. <p>Myanmar Service-Learning Project</p> <ul style="list-style-type: none"> - Teach local students about science and computing. We will either conduct courses on digital literacy (e.g. digital storytelling or moviemaking) or build a science museum and learning center for local secondary students. <p>Projects Not Requiring Pre-selection of Students:</p> <ul style="list-style-type: none"> - Service learning projects involving real-world clients will be organized through special schools for the students with mentally handicapped. During direct service, students will be working in groups to design eRecourses for the clients, assist the school teachers to conduct the lesson and/or offer training and workshops. Students are required to utilize their science and engineering skills to analyse the situation and propose a solution. |
| <p>Whom will students serve?</p> | <p>Underprivileged people</p> |
| <p>Where will students serve?</p> | <p>Hong Kong, Cambodia, Myanmar or Rwanda</p> |
| <p>When will students serve?</p> | <p><u>Tentative schedule of the projects (exact timing to be confirmed)</u></p> <p>Rwanda: Mid May – early June (~2 weeks) Cambodia: Early –mid June (~2 weeks) Myanmar: Early –mid June(~1.5 weeks)</p> <p>Primary Project: April (Easter holiday and 1 weekend) Secondary Project: July (one week)</p> |

Remarks: The information given above is subject to change.

Last update in 18 November 2015

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| Fee payable by students | Hong Kong: N/A Cambodia & Myanmar: \$1700 (TBC) Rwanda: \$5000 (TBC) |
| Enquiry | Dr. Grace Ngai (csgngai@comp.polyu.edu.hk) Mr. Kenneth Lo (kenneth.wk.lo@polyu.edu.hk) Tel. 3400 3516 |

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