



# Toward Success of 2 + 2 Collaborative Program In School of Engineering Between UB and China



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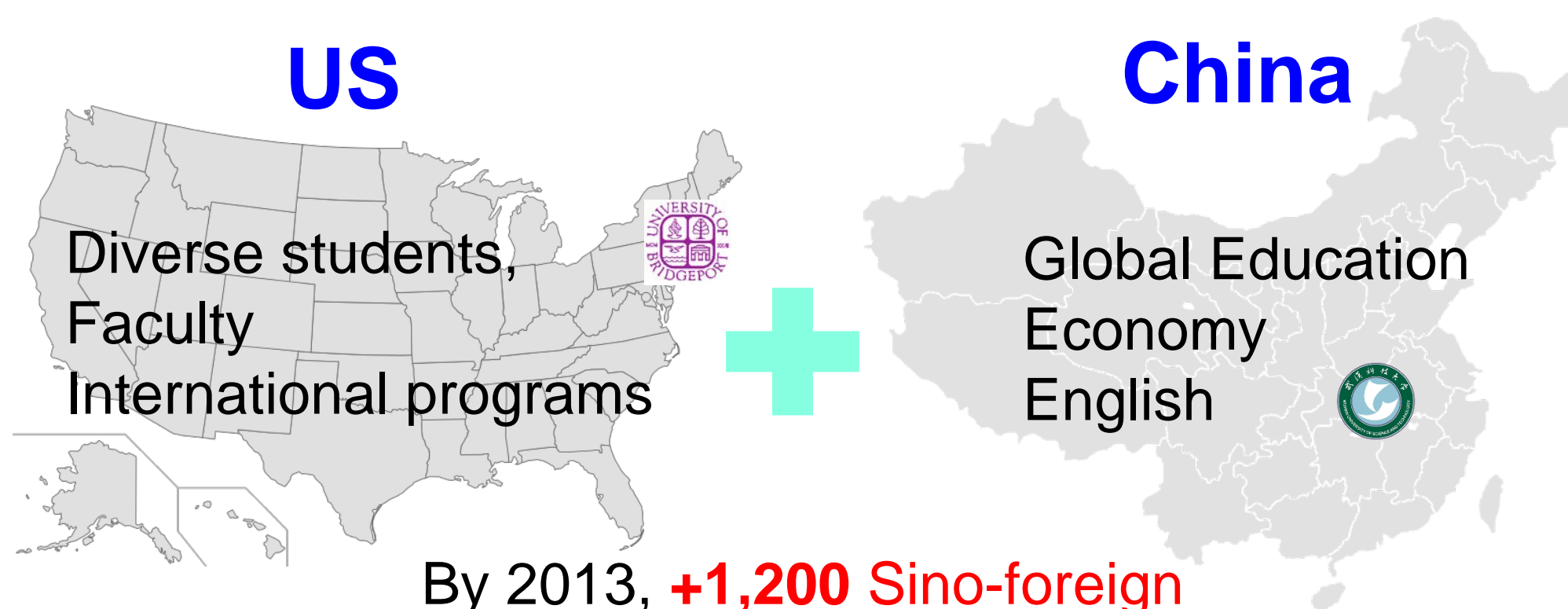
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## Abstract

In 2013, the University of Bridgeport (UB) in the United States (U.S.) and the Wuhan University of Science and Technology (WUST) in People's Republic of China (China) agreed on an undergraduate collaborative program in electrical engineering. Students admitted by Department of Electrical Engineering (EE) of WUST will study in China for 2 years, then students can be transferred to the same program of UB in the U.S. for the remaining academic requirements at UB. Upon the completion of all graduation requirements at UB, students will receive a Bachelor of Science in EE from UB. Students who stay all four years at WUST or transferred to UB after two years, will be granted a Certificate of Graduation and a Bachelor's degree from WUST if they are subject to satisfactory completion of the program.

## Introduction



By 2013, **+1,200** Sino-foreign cooperative schools and programs with **30** countries [1]

In 2013, MOU for "2+2 Collaborative Program" between UB and WUST

## 2 + 2 Collaborative Program

### UB in the US



### WUST in China

Admission at EE

Study at WUST campus

- UB professors visit to teach courses
- Select either Transfer to UB or Staying

Year 1

Year 2

Year 3

Year 4

Admission at EE

Transfer

Transfer up to 60 Credits Study at UB campus

- WUST professors visit for development
- Complete 60 Credits at UB for graduation



**B.S. of Electrical Engineering Degree**

## Assessment Plan

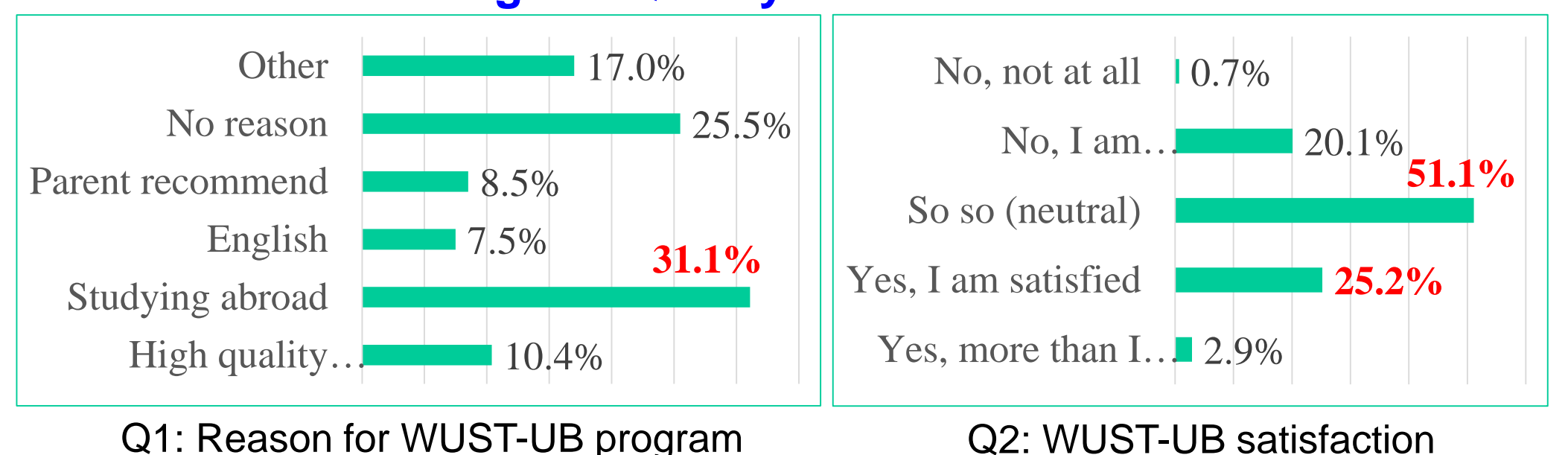
Goal	Evaluation Questions (Sample)	Proposed Methods	Frequency
<b>Formative Evaluation</b>			
<b>Program Quality Assessment</b>	Develop a set of questions to assess effectiveness of program including suggestions for both WUST students and UB professors: <i>Q1: What was the primary reason when you applied to International College at WUST?</i> <i>Q2: Does the collaborative program between WUST and UB meet your expectations?</i>	Student Survey UB Professor Survey	End of year
<b>Course Quality Assessment</b>	Develop a set of questions to assess effectiveness of courses including suggestions: <i>Q3: Is UB professor helpful for you to understand subject?</i> <i>Q4: Are you able to follow and clearly understand the course instruction in English?</i> <i>Q5: Do the courses (UB professors) meet your expectations?</i>	Student Survey	End of class
<b>UB program Assessment</b>	Develop a set of questions to assess UB program: <i>Q6: If you are at WUST, are you going to transfer to UB?</i> <i>Q7: How much do you know about UB?</i>	Student Survey	End of year
<b>Summative Evaluation</b>			
<b>Students' performance measure</b>	What is the academic performance of WUST students in the classroom taught by UB professors? - Collecting the average score of each class	Collecting data at WUST	End of year
<b>Program enrollments</b>	What is the performance of the collaborative program between WUST and UB? - Collecting the number of enrollments	Collecting data at WUST	End of year

### Survey for Evaluation

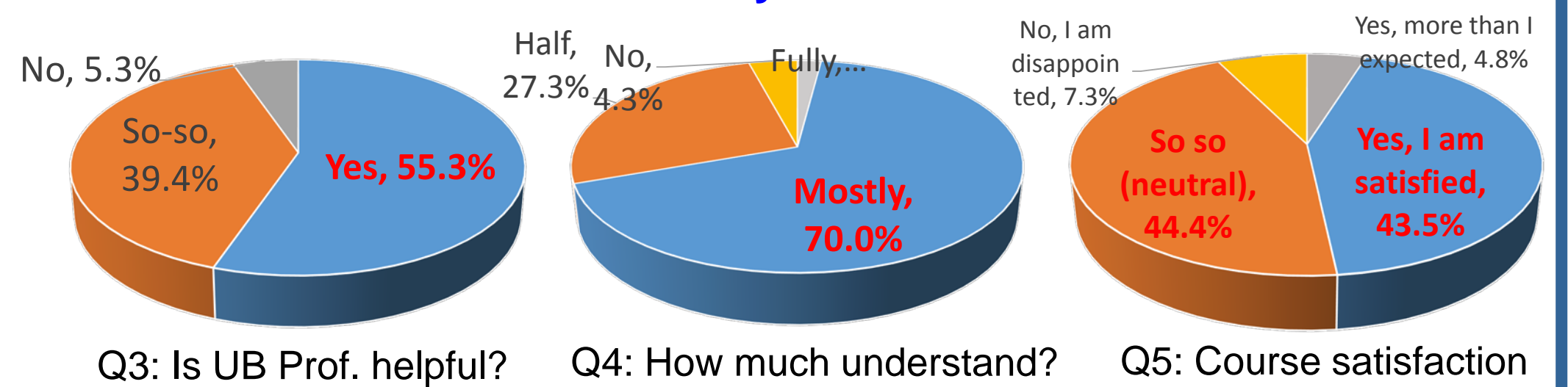
- **Method:** online survey using <http://surveyheor.com>, March 1 ~ 8, 2016
- **For WUST students:** 160 students responded and the results are analyzed
- **For UB professors:** 6 professors responded and the results are analyzed
- **Data Collection:** WUST professors collected the data as planned

## Assessment Results

### Program Quality Assessment



### Course Quality Assessment



### Summative Evaluation



### To Improve WUST-UB Program

- **From Students:** 1. Diverse activities, 2. Communications, 3. Longer period, 4. Schedule for future classes, 5. English
- **From Professors:** 1. Facilities, 2. Communications, 3. Longer period, 4. Visiting time, 5. More assistants
- **Reason Not transfer:** 1. Finance (70%), 2. English (12%), 3. No interests

## Conclusion

The survey results show that the program is successful, since the enrollments has been increasing at WUST and more students transfer to UB. In addition, the WUST-UB joint program was successfully accredited pass from the first audit of China Academic Degree and Graduate Education Development Center (CDGDC) in 2015.