



Completion Report

Project Supported by LTC/OBA Funding*

(Period covered: 1 June 2010 – 31 August 2010)

Part I: General Information

Funding Source (please tick ✓ as appropriate): LTC OBA Funding

Project Code: 2006-07/OBA/BSE Host Department: BSE

Project Title: Implementation and Enhancement of Outcome-based Education in BSE

Project Team: Project Leader (Name & Dept): Dr. T.M. Chung, BSE Team Member(s) (Name & Dept):

Part II: Project Details

1. Financial Information

(a) Overview

Approved Funding: + Additional Funding Received (if any): = Total Funding Received:

Source of Additional Funding:

(b) Project Expenditure

Expenditure	Original Budget Approved	Revised Budget ¹ (if applicable)	Actual Expenditure	Balance
Salary (Please indicate rank, number of staff members & salaries)				
Equipment				
General Expenses				
Others				
Total				

¹ Please give reasons for the revised budget and quote the relevant authority's approval reference where appropriate.

2. Project Schedule

Dates as Stated in Original Proposal: Start date (dd/mm/yyyy): Completion date (dd/mm/yyyy):

Actual Start and Completion Dates: Start date (dd/mm/yyyy): 19/01/2009 Completion date (dd/mm/yyyy): 31/08/2010

Project Period Extension(s) (if any): Total no. of extension(s) obtained : 3 time(s) Obtained during the project period: For a total of 2} month(s)

Reason(s) for Extension(s) (if any): Difficulty in recruiting project personnel.

* LTC: Learning and Teaching Committee
OBA Funding: Funding for Promoting Outcome-Based Approaches to Student Learning

3. Project Implementation

(a) Project objectives

Development of an exemplar subject:

- (i) Revise the programme documents to shift the emphasis on subject contents and teaching methodologies to the learning outcomes, the learning approaches to achieve the learning outcomes and assessment of the students' achievement of the learning outcomes.
- (ii) Prepare students for effective participation in outcome-based learning.
- (iii) Develop/enhance methods of assessing students' learning outcomes.

(b) Overview of specific work undertaken for achieving the project objectives (including any changes to original proposal)

A summary of the project tasks undertaken is given below.

Overall, the project has been effectively executed with all initiatives set in the Project Proposal completed. Furthermore, some extension of work has been undertaken such as experiences dissemination and graduate feedback collection. The completed tasks fall into the following 5 categories:-

(1) Preparation for students' effective participation under the OBE

- (i) Student learning experiences interviews – a 24-page "Student Interviews Analyses and Report" has been prepared.
- (ii) Provision of learning guidance to students – A "Study Guide for the BSE Undergraduate Students" has been prepared and uploaded on the BSE student intranet for students to use.

(2) Collection of staff feedbacks about the OBE implementation

- (i) BSE academic staff interviews (voluntary participation) – 13 staff interviews completed with each lasted for around 1 hour.
- (ii) A 44 page "Academic Staff Interviews Analysis and Report" was prepared.

(3) Development of an OBE Exemplar Subject

- (i) The revision of the subject documentation, the delivery of the subject and the assessment methods.
- (ii) Student feedback collection – students were interviewed at beginning and end of the subject teaching.
- (iii) Questionnaire-based survey of students at subject completion and associated statistical analysis
- (iv) A "Report on the Development of an OBE Exemplar Subject – Lighting Systems and Applications" was prepared.

(4) Industry practitioners' inputs to teaching and learning

- (i) Questionnaires were prepared and 16 industry practitioners were selected.
- (ii) Return rate was satisfactory and the data is being analysed.

(5) Dissemination of empirical findings – Two articles were written and submitted to The International Journal of Engineering Education. These are currently under review:

- (i) "Outcome-based Education at the Subject Level: A Case Study of Engineering Discipline in Hong Kong"
- (ii) "Effective Implementation of Outcome-Based Education: A Case Study of Engineering Discipline in Hong Kong"

(c) Difficulties encountered, if any, which have affected progress, and remedial actions taken

1. Difficulties were encountered on the recruitment of Project Fellow and Project Associates/Assistants. The Project Fellow could only be recruited in January 2009.

(d) Deliverables/useful findings/good practices emerged

1. A 24-page "Student Interviews Analyses and Report" has been prepared.
2. A "Study Guide for the BSE Undergraduate Students" has been prepared and uploaded on the BSE student intranet for students to use.

3. A 44 page "Academic Staff Interviews Analysis and Report" was prepared.
4. A "Report on the Development of an OBE Exemplar Subject – Lighting Systems and Applications" was prepared.
5. The work and results of this project was presented in the departmental L&T forum on 11 June 2010.

(e) Dissemination activities taken/planned to sustain impact

Two journal papers were submitted to The International Journal of Engineering Education. The papers are still under review.

1. "Outcome-based Education at the Subject Level: A Case Study of Engineering Discipline in Hong Kong"
2. "Effective Implementation of Outcome-Based Education: A Case Study of Engineering Discipline in Hong Kong"

(f) Self-evaluation or additional information/remarks

This project has been fully implemented with all initiatives for enhancement set in the project proposal completed. Some of these initiatives are even beyond the project scope, but are rather seen as its extensions for quality enhancement.

Name of Project Leader: Dr. T.M. CHUNG
(in block letters)

Date: 23/6/2011

Part III: Evaluation by D/SLTC (or by HoD/Dean of School[^])

(a) Rating and comments/recommendations on the following areas of the project

(please put a ✓ in 1 of the following 2 ratings and provide comments)

Areas	Rating		Comments and Recommendations
	Satisfactory	Needing attention	
Overall financial management/ use of funding	✓		The small amount of expenditure (HK\$1008) in excess of the budget can be charged to the DEA.
Overall project progress	✓		The project has been effectively executed.
Outputs/deliverables/ dissemination	✓		All initiatives for enhancement of OBE set in the project proposal have been completed.
Overall rating / comments on the project (Please suggest remedial actions if the rating is 'Needing attention')	✓		Very good.

(b) Issues requiring the attention of FLTC/Dean of School and/or the funding authority

N/A.

(c) Outputs/deliverables/good practices of the project that can be shared with other subjects, programmes or departments within the Faculty, or with the wider PolyU community

An exemplar subject which prepares students for effective participation in OBL and enhances assessment of students' learning outcome has been developed, that can be shared with others.

(d) Additional comments/remarks

Name of D/SLTC Chair
(or HoD/Dean of School):

Law C. K.
(in block letters)

Date: 27-6-2011

[^] To be prepared by HoD/Dean of School if the PL is also the D/SLTC Chair, or if the Centre/Unit/Office does not have a DLTC.

