



Completion Report

Project Supported by LTC/OBA Funding*

(Period covered: 1/9/2007 – 31/5/2009)

Part I: General Information

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

Project Code: Host Department:

Project Title:

Project Team: Project Leader (Name & Dept): 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): Completion date (dd/mm/yyyy):

Project Period Extension(s) (if any): Total no. of extension(s) obtained : time(s) Obtained during the project period:

Reason(s) for Extension(s) (if any):

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

3. Project Implementation

(a) Project objectives

1. To develop assessment tools for Category B outcomes for students in the Department of Applied Physics, and
2. To apply these tools to AP students at different stages of their study.

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

A total of 27 cases have been collected from alumni and others with ample working experience, and from the literature. These cases have been transformed into formats suitable for interviewing students. As a trial run of the assessment tool, a number of voluntary students from year 3 of the BSc Programme in Engineering Physics were interviewed in April 2009. Their scores for the 5 Category B learning outcomes (except for B2, where English and Putonghua were not assessed) were recorded by the interviewers.

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

NIL

(d) Deliverables/useful findings/good practices emerged

(i) Deliverables: A collection of cases for interviewing students in assessing Category B learning outcomes for AP students.

(ii) Findings:

A. Observations

(i) The mean GPA of the Single-Degree (S-D) group is substantially higher than the mean GPA of the Major-Minor group. However, students in the Major-Minor (M-M) group have significantly higher mean scores in all the items. [Out of the 13 students in the M-M group, 11 are taking Minor in the field of Business/Finance/Accountancy. The other two have their Minor in Computing and Product Engineering.]

(ii) For the S-D group, the total score is almost uncorrelated with the GPA ($r = 0.24$) while for the M-M group, the correlation is stronger ($r = 0.68$).

(iii) The interviewees were in general quite nervous, though they were aware that the interview bore no consequence of any kind to their academic record. It could be expected that they be even more nervous should the interview be conducted in English.

(iv) Almost all the students are aware of the fact that working in or traveling to China Mainland could be part of their future job, and they are happy to accept such a requirement. They expressed awareness of the difference in culture and working environment between Hong Kong and Mainland and showed confidence in readiness for adaption. Only one student definitely expressed reluctance in working in China Mainland, even for short periods.

(v) Students in the S-D group scored relatively low in B3 (Team spirit) and B5 (Global outlook/China Mainland).

(vi) It is encouraging to see that students are quite good in B1 (Problem solving). In general they could provide reasonable solutions or suggestions.

(vii) It is also interesting to note that students are aware that a degree programme only provides a foundation for further development. They are aware of the need and the importance of lifelong learning in their future career. As physics students, they feel confident, in comparison with graduates from other disciplines, in acquiring new knowledge and skills because of the nature of physics and of the broad-based curriculum of the Engineering Physics Programme.

B. Suggestions

(i) It seems that taking a Minor in a business-related discipline would be more advantageous in improving the generic skills for the students. For students taking the S-D route, some remedy or reinforcement in enhancing generic skills might have to be introduced [Response to Observation (i)].

(ii) Students should be provided with more opportunities of presentation as part of their course work [Response to Observation (iii)].

(iii) Small group projects might be introduced within individual subjects offered by AP, if feasible, to enhance team spirit [Response to Observation (v)]. The potential impact of the subject AP441 (Scientists and Engineers in Public Affairs) might be more fully exploited to help students in achieving Outcome B5 [Response to Observation (v)].

(e) Dissemination activities taken/planned to sustain impact

NIL

(f) Self-evaluation or additional information/remarks

The present project is only intended to be a very preliminary trial. Nevertheless, the assessment tool could be expanded and refined. In its present form, it should not be regarded as a tool in a strict psychometric sense. The results of the assessment might provide some meaningful feedback to teaching and learning, as detailed Observations and Suggestions above.

Name of Project Leader: CHENG, FAI TSUN Date: 26 June 2009
(in block letters)

Part III: Evaluation by D/SLTC (or by HoD/Director 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	✓		Although the project only spent about 14% of the approved budget, there is no deviation in the original objectives of the project.
Overall project progress	✓		Good.
Outputs /deliverables / dissemination	✓		Good.
Overall rating / comments on the project (Please suggest remedial actions if the rating is 'Needing attention')	✓		Good.

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

N=1.

(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

By conducting direct interview with alumni, the Category B learning outcomes can be assessed in a precise manner.

(d) Additional comments/remarks

N=1.

Name of D/SLTC Chair
(or HoD/Director of School): LAU, SHU PING
(in block letters)

Date: 29/6/2009

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

Part IV: Evaluation by FLTC/Director of School#

(a) Overall rating on the project (please put a ✓ in 1 of the following 2 ratings):

- Satisfactory
- Needing attention

(b) Overall comments and recommendations on the project:

This represents AP's first attempt in assessing students' generic attributes. The findings and suggestions are useful. I believe AP will follow-up.

(c) Issues requiring the attention of the funding authority:

Budget balance to be re-covered ^{by} OBA Fund.

Name of FLTC Chair/

Director of School: _____

SHIN, FRANKLIN GEORGE
(in block letters)

Date: _____

July 8, 2009

The Director of School or HoD of the Centre/Unit/Office needs not fill this part if he/she has already commented in Part III.

Part V: Response & Follow-up Plan by Project Leader

(Response and follow-up plan is required from the Project Leader if there is any area rated as 'needing attention' in Part III and/or IV.)

Name of Project Leader: _____

(in block letters)

Date: _____

Cheng, Fai Tsun

Signature of Project Leader

Lau Shu Ping

Signature of D/SLTC (or HoD)@

Shin, Franklin George

Signature of FLTC/
Director of School

CHENG, FAI TSUN

(Name in block letters)

LAU, SHU PING

(Name in block letters)

SHIN, FRANKLIN GEORGE

(Name in block letters)

@ To be signed by HoD if the PL is also the DLTC Chair, or if the Centre/Unit/Office does not have a DLTC; leave this blank if the PL is also the SLTC Chair.

The Project Leader and D/SLTC Secretary should each keep a copy of this *Completion Report* for records. A copy of this *Completion Report* will be submitted along with the *F/SLTC Annual Report (Form 20)* to LTC/WGOBE as a supporting document.



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Project Information

Project Title:	Assessment of Category B Learning Outcomes for Physics Students		
Project Code:	2006-07/OBA/AP	Work Programme:	8B25
Account Code:	1.11.xx.8B25	Account Set Up Date:	11 Jul 2007
Project Leader:	F.T. Cheng	Email:	apafctche@inet.polyu.edu.hk
		Tel:	5691
Department:	AP	Project Status:	In Progress
Approved Funding (HK\$):	70,000	Funding Source:	OBA Fund
Project Start Date:	1 Sep 2007	Project Completion Date:	31 May 2009

Progress Report Scheduled Submission Date:	30 Jun 2009	Progress Report Actual Submission Date:	<input type="text"/>
Completion Report Scheduled Submission Date:	31 Aug 2009	Completion Report Actual Submission Date:	<input type="text"/>
Date of Account Closure:	<input type="text"/>		<input type="text"/>

Upload new document:

Category:	Miscellaneous	File:	<input type="text"/>	<input type="button" value="Browse..."/>
Description:	<input type="text"/>	<input type="button" value="Upload"/>		
Please inform LTC Administrator if there is a change in project leadership or additional funding to the project.				

Key Documents:

- Proposals/Revised Proposals
 - Project proposal (20070516)
- Appointments
 - Nil
- Project Period Extensions
 - Nil
- Virement of Funds
 - Nil
- Progress & Completion Reports
 - 20090709 completion report
 - 20081229 progress report (1 Sep 2007 to 31 Aug 2008)
- Miscellaneous
 - 20090601 LTC PMS Reminder for Progress Report
 - 20081230 PMS email alert about progress report
 - 20081031 PMS email alert about submission of progress report

History Log by LTC Admin:

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