THE HONG KONG
POLYTECHNIC UNIVERSITY
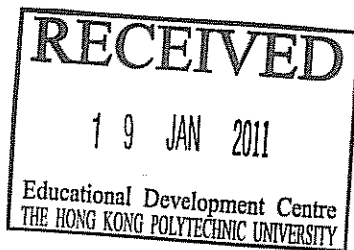
Working Group on Outcome-Based Education

Projects on Promoting Outcome-Based Education
2010-12
Application for OBE Funding

PART I: General Information

1. **Title**

   Review of OBE Implementation and Way Forward in FENG

2. **Name(s) of Applicant(s)**

   Project Leader –

Name	Dept	Post	Groupwise	Ext.
Dr Daniel P.K. Lun	FENG	Associate Professor	enpklun	6255

   Team Member(s)

Name	Dept	Post	Groupwise	Ext.

3. **Total funding requested**

   HK$ _____

4. **Expected duration of project:** ___5_____ **months**
   Proposed commencement date: Feb 1, 2011
   Expected completion date: June 30, 2011

PART II: DETAILS OF PROPOSAL

1. Project objectives and significance

(What are your objectives in initiating this project? How does it align with the goals and targets of the University, your faculty/ school or your department in implementing OBE?)

In Faculty of Engineering, all departments have started implementing OBE for some years. Great amount of effort has been devoted and some positive results have been achieved. They include the establishment of programme outcomes, development of P-LOAP, revamping of all definitive programme documents to include the mapping between subjects and programme outcomes, revising all subject syllabi to include subject learning outcomes and align with the programme outcomes, etc. Besides, there are many other learning and teaching activities using OBA in the Faculty including the study tours, employer and alumni survey, video-taping final year project presentation, the assessment of subject learning outcomes, etc. As to the programme outcome assessment, some programmes have already finished the first round of assessment while some others are still midway of the implementation as scheduled in the P-LOAP.

While departments have already acquired some experience in OBE implementation, the Faculty believes that it is a good time to have an overall review in the Faculty in order to steer all departments to a similar direction in OBE implementation. Based on the review, the Faculty would also like to seek for the way forward that will further enhance the system. It is believed that external expert advice will be particularly useful at this important moment. Departments can contrast their own experience with that in other countries where OBE has been established and matured.

The objective of this project is to invite an external expert to help in reviewing the OBE implementation in the Faculty and providing suggestions on the way forward. The external expert whom will be hired should review the related documents of all programmes and meet with the related personnel in all departments of the Faculty. An open seminar should be held to summarize the findings and make suggestions on further work necessary.

The work can be divided into three stages:

Stage 1 Preparation (February – April, 2011)

At this stage, all related documents should be sent to the external expert. An initial report should be generated to comment on the progress of OBE implementation of each programme.

Stage 2 – Visit (May 2011)

At this stage, the external expert should pay a 4-day visit to the Faculty and meet with the related personnel of each department individually. An open seminar should be held to summarize the findings and make suggestions on further work necessary.

Stage 3 – Response of Departments (May – June 2011)

Departments should respond to the comments in written and submit to the Faculty Board.

As to the candidate of external expert, the Faculty has initially contacted Prof. Ira Jacobson of the University of Maryland. Prof. Jacobson is the former member of the Hong Kong Institution of Engineers (HKIE) Accreditation Board and is one of the world experts on Engineering education, outcome-based learning approaches, and programme accreditation. He has participated in many OBE activities in various tertiary institutions in Hong Kong. In particular, he was invited to visit our Faculty in 2007 and gave his expert advices at that time to help the Faculty in OBE implementation. His thorough understanding of the Faculty, and expert knowledge in OBE and outcome-based accreditation that will be implemented by HKIE will definitely benefit us in this project.

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2. Target users

(Who are the intended users of the deliverables of the project?)

Programme leaders, department heads and senior staff will find this review exercise extremely useful.

If the target users are students, complete the table below:

Programme/ subject code	Programme/subject title	Credit units	Mode of study	Student intake quota per year

Please insert rows in the table if more space is required for additional information.

3. Outcomes and deliverables

(a) Major outcomes and deliverables

(What will be the major outcomes and deliverables of the project?)

	Major outcomes and deliverables with descriptions
(a)	A series of meetings between the external expert and the representatives of each department.
(b)	A review report that summarizes the findings and suggestions on the way forward.
(c)	An open seminar that summarizes the findings and suggestions on the way forward.

Please insert rows in the table if more space is required for additional information.

(b) Plan for developing and piloting / implementing the deliverables

(Detail the plan and procedures that you will adopt to develop and pilot/ implement the outcomes and deliverables. Also specify the dates of the pilot / implementation period)

......NA

4. Dissemination and sharing plan

(How are you going to disseminate and share the outcomes and deliverables of your project?)

Written and verbal reports will be provided to all programmes.

5. Evaluation plan

(How do you plan to evaluate the effectiveness of the project, particularly its impact on the implementation of OBE in PolyU?)

For the purpose of monitoring the quality of funded projects, an evaluation plan with clear evaluation objectives, appropriate methodologies and specific timeline must be included in the proposal.

The Faculty has a standard mechanism to evaluate the OBE implementation of programmes. The subgroup of OBE implementation of the Faculty is charged for this function. The project leader is also the Chairman of the subgroup. The subgroup would review the action of the programmes in response to the comments of the external expert based on their submitted Annual Programme Review report. A separated report will be generated by the subgroup for this project and will be brought to the attention of FLTC and also the Faculty Board.
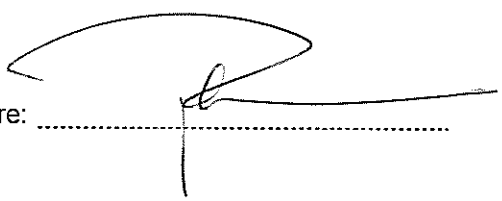
6. Impact

(How will the project contribute to the success of the implementation of OBE in PolyU/ Faculty/ School/ Department/ programme/ subject?)

The proposed project facilitates an overall review of OBE implementation in the Faculty. Departments can contrast their implementation methods with those in other countries in which OBE has been fully established and matured. It helps to find out the deficiencies of the current approaches and derive strategy for the next stage of implementation.

PART III: BUDGET OF PROPOSAL

Project Leader

Name: Dr Daniel P.K. Lun

         (in block letters)

Signature:

Dept: FENG

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Date: 14 Jan 2011

PART IV: ENDORSEMENT
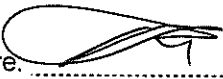
Endorsement by Head of Department (Host Department of the project leader):

Comments on the proposal:

Name: .... Signature: .... Date: ....
(in block letters)

Endorsement by Chair of F/SLTC (Host Faculty/School of the project leader):

Comments on the proposal:

Name: *Prof. Kenneth Lau* Signature: .... Date: 14/1/2011
(in block letters)

Endorsement by Dean of Faculty/ Director of School (Host Faculty/School of the project leader):

1. Comments on the proposal:

Ira had been extremely helpful to our faculty in establishing the OBE process. He will look into the finer detail this form and to advise the Faculty / Dept. on the way forward

2. Priority of the proposal (if there is more than 1 submission from the Faculty/School):

/

Name: *PROF. CHARLES SURYA* Signature: *Charles Sy* Date: 14/1/2011
(in block letters)

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Please return this form to Miss Kevinia Cheung,
Secretary of the Working Group on Outcome-Based Education, c/o Educational Development Centre
by **14 January 2011**