NURTURING WHOLE PERSONS IN A TECHNOLOGY-DRIVEN WORLD: SUCCESS STORIES FROM HONG KONG BAPTIST UNIVERSITY

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Vice-President (Academic)
Hong Kong Baptist University

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Outline

• Introduction to Hong Kong Baptist University (HKBU)
• Whole Person Education (WPE) ethos at HKBU
• WPE Assessment @ HKBU
• Moving Forward
Where is Hong Kong Baptist University?
Hong Kong Baptist University
One of 8 publicly funded universities in Hong Kong

• Situated in an expensive area of town
• Easy access
• A “long” campus consisting of “old” and “new” buildings
Established in 1956 with a Christian heritage

- 3 Faculties, 4 Schools & an Academy
  - Academy of Visual Arts
  - Faculty of Arts
  - Faculty of Science
  - Faculty of Social Sciences
  - School of Business
  - School of Chinese Medicine
  - School of Communication
  - School of Continuing Education

- Programmes from Bachelor Degree to PhD
- ~ 10,000 students
- ~ 2,400 staff
Vision

HKBU aspires to be a premier institution of higher learning providing broad-based, creativity-inspiring education with distinctive contribution to the advancement of knowledge through research and scholarship.

Mission

HKBU is committed to academic excellence in teaching, research and service, and to the development of the whole person in all these endeavours built upon the heritage of Christian higher education.
Whole Person Ed. as the Institution’s founding educational philosophy since its inception in 1956
Video: Introducing Hong Kong Baptist University

http://www.youtube.com/watch?v=7ZHt_IcOS_M
21st Century Requirements on Whole Persons
Global Problems

- Global Warming
- Financial Matters
- Pollution
- Natural Disaster
"The direction in which education starts a man will determine his future life."

—Plato (c 428–348 BC)
Teamwork & Collaboration amongst Peoples
Ten Employability Skills

1. Constantly adapt to technology
2. Embrace diversity
3. Be a life-long learner
4. Practise impeccable integrity
5. Be a self-starter
6. Demonstrate personal discipline
7. Prioritize and evaluate daily
8. Be adaptable
9. Think creatively and innovatively
10. Have a Can-Do attitude

http://www.articlesfactory.com/articles/careers/ten-employability-skills-for-2010.html
HKBU has Updated its Efforts
to Nurture Whole Persons
Strategic Plan

By the year 2020, the University will be a regional leader in whole person education that delivers academic excellence and innovation.

http://vision2020.hkbu.edu.hk/
WPE@HKBU
embodied by the 7 Graduate Attributes

**Citizenship**
Be responsible citizens with an international outlook and a sense of ethics and civility;

**Knowledge**
Have up-to-date, in-depth knowledge of an academic specialty, as well as a broad range of cultural and general knowledge;

**Learning**
Be independent, lifelong learners with an open mind and an inquiring spirit;

**Skills**
Have the necessary information literacy and IT skills, as well as numerical and problem-solving skills, to function effectively in work and everyday life;

**Creativity**
Be able to think critically and creatively;

**Communication**
Have trilingual and biliterate competence in English and Chinese, and the ability to articulate ideas clearly and coherently;

**Teamwork**
Be ready to serve, lead and work in a team, and to pursue a healthy lifestyle.
New 4-year curriculum

GE – interdisciplinary
http://www.hkbu.edu.hk/ge

General Education
Alignment of Co-curricular Activities to the Graduate Attributes
WPE Assessment at HKBU
WPE Assessment @ HKBU

- **Blackboard Outcomes**
  - course assessments or assignments
  - (Students’ actual works)

- **Online standardised tests**
  - (Benchmarked assessment)

- **WPDI**
  - (Online student self-assessment)

**Sources of Student Learning Data or Evidences**

- Students’ academic works in courses and activities submitted on Blackboard
- Benchmarked against universities worldwide, including Greater China Region
- Theory-guided online questionnaire. Students self-assess their capacity in each item
WPE Assessment @ HKBU

Blackboard Outcomes
- course assessments or assignments
  (Students’ actual works)

Online
- standardised tests
  (Benchmarked assessment)

WPDI
- (Online student self-assessment)

Academic
- Students’ academic works in courses and activities submitted on Blackboard
- Benchmarking against universities worldwide, including Greater China Region

Self-development
- Theory-guided online questionnaire. Students self-assess their capacity in each item

(Instruments from ECI)
Evidence Collection Initiative (ECI)

1. Evidence of students’ achievement
2. GAs / Outcomes assessment
3. Use of evidence to identify strengths and weaknesses and to adopt possible interventions
4. Quality enhancement & assurance

Feedback to students’ achievement

Relevant publications:

Online Standardised Tests for Benchmarking

Educational Testing Service Proficiency Profile (ETS)
From the U.S. to test students’ achievement in
- Reading
- Writing
- Critical thinking
- Mathematics

Academic Proficiency Test (APT)
Self-developed instrument divided into 3 areas
- Use of English
- Use of Chinese
- Aptitude

Question Bank established in collaboration with the National Sun Yat Sen University in Taiwan
Sample Outputs from the ECI
Direct & Indirect Evidence from Outcomes Assessment & Standardised Tests

Bb Outcomes: Rubrics Analysis Quantitative Reasoning

<table>
<thead>
<tr>
<th>Rubric</th>
<th>Mean Score</th>
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</thead>
<tbody>
<tr>
<td>Interpretation</td>
<td>3.43</td>
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<tr>
<td>Representation</td>
<td>3.59</td>
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<tr>
<td>Calculation</td>
<td>3.74</td>
</tr>
<tr>
<td>Application/Analysis</td>
<td>3.31</td>
</tr>
<tr>
<td>Assumptions</td>
<td>3.13</td>
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<tr>
<td>Communication</td>
<td>2.98</td>
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</tbody>
</table>

Focus Group Interviews
Students’ Perceived Achievement of Learning Outcomes

- Able to describe the social phenomenon (e.g. gambling and reasons for gambling);
- Able to apply theories (e.g. ethics, statistics) into real life;
- Affecting the way of thinking;
- Improve critical thinking.

APT Results

<table>
<thead>
<tr>
<th>Criterion</th>
<th>% of Correct Answer</th>
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<tr>
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<tr>
<td></td>
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ETS Results

<table>
<thead>
<tr>
<th>Alignment Index</th>
<th>Correlation</th>
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</thead>
<tbody>
<tr>
<td>-1.00</td>
<td>-0.50</td>
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<tr>
<td>1.00</td>
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</table>

Correlation: Alignment Index and Learning Approaches/Experience
WPE Assessment @ HKBU

Blackboard Outcomes course assessments or assignments (Students’ actual works)

Online standardised tests (Benchmarked assessment)

WPDI (Online student self-assessment)

Students’ academic works in courses and activities submitted on Blackboard

Benchmarked against universities worldwide, including Greater China Region

Theory-guided online questionnaire. Students self-assess their capacity in each item
Whole Person Development Inventory

WPDI Online
Student Self-Assessment

Whole Person Development Inventory - Tertiary Version (WPDI-T) aims to understand the whole person development of students. Your personal information will be kept strictly confidential and test data will be used for research purpose by authorized personnel only. You may login to the online system to complete questionnaire or review your personal report.

「全人發展量表:專上學生版」旨在了解學生的全人發展狀況。你提供的個人資料將絕對保密，數據僅由受權人士處理及只作研究之用。你可登入網上系統填寫問卷或查閱個人報告。
Whole Person Assessment for New Students

All freshmen:

• Complete WPDI
• Receive individual WPDI profile

• Acquire the concept of whole person development (WPD)
• Participate in group advising on WPD
• Pursue of individual mentoring on WPD afterward on their choice
Trace Study 2011-14

Statistically significant
WPDI  Data Collection for Normative Data Establishment

- March to April 2015
- Establish HK norming group by collecting data from:
  - Hong Kong Baptist University
  - The Chinese University of Hong Kong
  - City University of Hong Kong
  - The Hong Kong Institute of Education
  - Lingnan University
  - The Hong Kong Polytechnic University
  - The Hong Kong University of Science and Technology
- Data collected: 8327
Use of IT & eLearning tools is an important aspect in facilitating our WPE Assessment
Latest eLearning Developments @ HKBU
eLearning Tools & ePortfolio

School of Chinese Medicine

New Dynamic Interaction Game-based Learning Tool for Chinese Medicine

Yiu On Li, Head of Systems Section
Lisa, SONG, Head of Chinese Medicine Library

Development of critical thinking abilities in Traditional Chinese Medicine through online case-based learning at Blackboard

Feng Tu, Chun Hoi Cheung, Hong Qi Zhang
School of Chinese Medicine, Hong Kong Baptist University

King Chong
Centre for Holistic Teaching and Learning, HKBU

ePortfolio & eLearning

Using mobile devices as simultaneous media in-class and out-of-class, for research, collaboration, and measuring real-time engagement

Dr. Warren Linger
School of Continuing Education
HONG KONG BAPTIST UNIVERSITY

E-portfolio assessment in general education
A practitioner’s perspective
Simon Kai-Ming TO
Department of Mathematics
Hong Kong Baptist University
18 June 2015
Mobile Learning

- Learning About Academic Integrity and Ethics using Mobile Technologies and Augmented Reality
  *(Eric CHOW, Mark PEGRUM, Dimple THADANI & Eva WONG)*

- An Application of Clickstream Tracking for Mobile Learning
  *(Joey CHAN, Rex CHIU, Grace NG & Theresa KWONG)*
All our effort is for one goal:

Enhancing student learning to prepare our students to become future leaders
Student Achievements

HKBU students teamed up with the HK Unified Floor Hockey Team to win a silver medal at the Special Olympics World Winter Games 2013

Ng Kiu-chung goes down in history with new elements of Still Rings named after him (2015) as recognised by the Fédération Internationale de Gymnastique
Student Achievements

Business students claimed second runner-up spot in Investment Banking Case Study Competition (2014)

NASDAQ congratulated HKBU on winning the global championship (2008)

Three MPhil students and a Teaching Assistant from Chinese Medicine, Business and Science won the “Shenzhen-Hong Kong-Macau-Taiwan Innovative and Young Entrepreneurship Exchange Programme” in 2014
Student Achievements

HKBU students won Silver Project Award in Bio-molecular Design Competition (2013) at Harvard University

HKBU students’ design of cancer cell therapeutic detector won Silver Project award at Bio-molecular design competition (2014) at Harvard University
Students ePortfolios

Student Poster Presentation in the Higher Education Research and Development Society of Australasia (HERDSA) 2014 Conference

(HERDSA Prize for Best Poster)
eLearning ecosystem @HKBU

eLearning@HKBU is jointly supported by the Centre of Holistic Teaching and Learning (CHTL), the Information Technology Office (ITO), and the Library (LIB).

- HARDWARE & FACILITIES
- MOBILE APPLICATIONS
- LINUX APPLICATIONS
- SOFTWARE
- INTERNET RESOURCES

BU eLearning Systems:
- Course Room Creation
- Course Material Upload
- Assignment Submission
- Turnitin
- Grading
- Messaging
- Quiz
- Forums
- Discussion Board
- OU Blog
- OU Wiki
- Library Toolkit

LIBRARY
- e-resources
- RefWorks
- HKBUtube
- Microsoft Office
- Adobe Acrobat
- S, SAS
- SPSS

E-SURVEYS & POLLS
- Qualtrics

Lecture Capture
BU eLearning Systems
Research and References
Available Tools
Thank You!

NASDAQ congratulated HKBU on winning the global championship (2008)