Beyond e-Training: A Knowledge

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Chulalongkorn University, Thailand
Chulalongkorn University is Thailand’s first institution of higher education founded nearly a century ago.

As a national intellectual center, the university produces the finest quality graduates with a high level of knowledge and skills in the arts and sciences that they can use to contribute to society.
Thailand’s oldest and one of the country’s most prestigious universities, established on March 26, 1917.

Chulalongkorn University consists of 19 faculties, 1 school, 3 colleges and 9 research institutes.

The university has a total of 37,300 students.
- Undergraduate 24,000
- Master 10,100
- Doctorate 3,200

Faculty 2,900, Other staff 4,900
CU Students’ characteristics Ideal

Chulalongkorn University Desired Characteristics of Graduates 2010
"Chulalongkorn University Graduates are Valuable Global Citizens"

- Morals and ethics
- Professional ethics
- Professional skills
- Communication skills
- Information Technology skills
- Mathematical and statistical skills
- Management skills
- Ethics
- Community-mindedness
- Maintaining Thainess in the globalized world
- Ability to think
- Well-rounded Knowledge
- In-depth knowledge
- Critical thinking
- Creative thinking
- Problem solving
- Inquisitiveness
- Knowing how to learn
- Skills
- Lifelong learning
- Wisdom
- Mind
- Body
- Society
- Well-being
- Leadership

"Chulalongkorn University Graduates are Valuable Global Citizens"
Improved Teaching and Learning Process

Student → Active Learning
Instructor → Coaching
           (facilitate learner)

ICTs .......... Constructivist Approach
<table>
<thead>
<tr>
<th>Learning Innovative Center : 2011</th>
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<tbody>
<tr>
<td><strong>Faculty Development for teaching competency training</strong></td>
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<tr>
<td>• Teaching Techniques training 17 sessions with 950 participants</td>
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<tr>
<td>• E-learning Integration training 19 sessions with 820 participants</td>
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<td><strong>E-learning Integration</strong></td>
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<td>6,257 subjects and 69 curriculum integrated e-learning into the classroom.</td>
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<td><strong>Courseware development training</strong></td>
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<tr>
<td>• 5 courses</td>
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<tr>
<td>• 15 courses</td>
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<tr>
<td>• 14 training courses for students</td>
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<tr>
<td>• 2,334 course archives in 360 echo</td>
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<tr>
<td><strong>e-Book</strong></td>
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<tr>
<td>378 e-book published for free access</td>
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<tr>
<td>3,816 individual members</td>
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<tr>
<td>18 institute members</td>
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<tr>
<td>41,241 hits</td>
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<tr>
<td><strong>Classroom Actions Research</strong></td>
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<td>34 projects from 13 faculties</td>
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Teaching Training Courses: 17 sessions with 950 participants

- Teaching Techniques -----> Critical Thinking / Problem based Learning / Active Teaching / Mind Map / Blended Learning / Innovative Teaching (Management Theater)
- Online Learning -----> Open Learning
- Assessment -----> Grading and Standard Setting
- Classroom Action Research
- Education Technology -----> Courseware
Blackboard
Moodle
Social Network / M-Learning / OpenLearn (Google Doc. + Google App.)
Echo 360
Interactive Presentation
Electronic Media ----> VDO
E-TRAINING
“E-Training"

...describes courses that faculty members and student can take via the web, at any networked computer, at any time. Online training courses allow Faculty members to learn at convenient times and places.
## E-TRAINING COURSES

### Faculty Member
- Teaching Technique
  - Problem Based
  - Critical Thinking
  - Case Based
- Authentic Assessment
- Electronic Instructional Design
- ICT Skill

### Student
- Human Relations
- National Resources
- Basic Writing
- Experiential English II
- General Psychology
- Amphawa Studies
- Statistic in Daily Life
- Southeast Asian Civilization
- Research Ethics
For whom E-training is for?

- Faculty members who wish to learn at their own pace.
- Faculty members who learn through visually-presented information.
- Faculty members whose schedules don't permit them to attend
  - scheduled Instructional Technology Support Services
  - Faculty development program -- training sessions.
For those who are not fitted in..

- The faculty members express more and more on “how to learn”, rather than “what to learn”
- Questions and Answers have been entertained throughout the e-training session
- The approach to learning by doing and by exchanging experiences
FILL THE GAP OF E-TRAINING: KNOWLEDGE SHARING
Knowledge sharing is an activity through which knowledge or expertise is exchanged among experts. Knowledge sharing is part of a Knowledge Management Concept. Knowledge sharing activities are generally supported by a knowledge management system.
Learning & Sharing
โครงการพัฒนาคุณภาพครูเพื่อการเรียนรู้และการสอนสุขใจ
Faculty Development for Tomorrow Teaching: FDT
คุณวิศวกรรมการเรียนรู้ที่ก้าวหน้าให้โครงการเรียนรู้สุขใจ 2555

- การใช้งาน e-Portfolio บนระบบ Blackboard
  วันที่ 14 ธันวาคม 2555 เวลา 09.00 - 12.00 น.

- การเรียนรู้ที่ก้าวหน้า
  วันที่ 16 ธันวาคม 2555 เวลา 10.00 - 12.00 น.

- การปรับปรุงการศึกษาตามแนวทางการเรียนรู้สุขใจ
  วันที่ 16 ธันวาคม 2555 เวลา 10.00 - 12.00 น.

- การปรับปรุงการศึกษาตามแนวทางการเรียนรู้สุขใจ
  วันที่ 25 มกราคม 2556 เวลา 09.00 - 12.00 น.

http://www.fdt2.academic.chula.ac.th/main
Community of Practice
Online COP

• a group of people who share a craft and/or a profession.

• The group evolve naturally because of
  – the members' common interest in a particular domain or area, --(online)(traditional) teaching strategies
  – it can be created specifically with the goal of gaining knowledge related to their field.
BEYOND A KNOWLEDGE SHARING: A KNOWLEDGE CREATION
Why we need to share?

• Share to learn: a Faculty development process
• Share to develop a new skill
• Share to create new knowledge is often at the heart of the organization's competitive advantage.
Knowledge creation according to the Nonaka’s SECI model is about continuous transfer, combination, and conversion of the different types of knowledge, as individuals practice, interact, and learn.
Tacit
Socialization
Sharing experiences
Observing, imitating
Brainstorming
without criticism

Explicit
Externalization
Writing it down
Creating metaphors
and analogies
Modeling

Tacit
Internalization
Access to
codified knowledge
Goal based training

Explicit
Combination
Sorting, adding,
categorizing
Methodology creation
Best practices

Field
Building

Dialogue
Learning by Doing

Linking
Explicit
Knowledge
Knowledge to be shared

- Inside out:
- Expertises in courseware development, and teaching strategies are to be shared in an E-TRAINING COURSEWARE DEVELOPMENT FOR Faculty Development among university network: central hub
Thailand Higher Education Network (9)
E-workshop Courseware Development Project
by Universities Network
(Central Hub)
Three modules

1. Non-lecture teaching
   Sukhuthai Open University

2. Higher Order of Thinking: Critical Thinking
   Chulalongkorn University

3. Learning Assessment
   Ramkamhaeng Open University
1. Non-lecture Module

1.1 Inquiry — based learning

1.2 Cooperative — based learning

1.3 Case — based learning

1.4 Project — based learning

1.5 Problem — based learning

*Pre-post test self evaluation modules

*20-30 mins of 3-5 sessions in each modules
2. Higher Order of Thinking: Critical Thinking

2.1 Critical Thinking for Science

2.2 Critical Thinking for Design

2.3 Critical Thinking for Business

2.4 Critical Thinking for Humanities

2.5 Critical Thinking for Social Science
# 3. Learning Assessment

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<tr>
<th>#</th>
<th>Section</th>
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<tbody>
<tr>
<td>3.1</td>
<td>General knowledge about assessment</td>
</tr>
<tr>
<td>3.2</td>
<td>Test Construction</td>
</tr>
<tr>
<td>3.3</td>
<td>Non Test Construction</td>
</tr>
<tr>
<td>3.4</td>
<td>Quality of Tools</td>
</tr>
<tr>
<td>3.5</td>
<td>Grading and Interpretation</td>
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</tbody>
</table>
Project – based learning
Critical Thinking for Business

Paradigm and Critical Thinking Based Teaching

Socratic Method-The Power of Questioning

Tool to Facilitate Thinking Process
E-TRAINING
KNOWLEDGE SHARING..AND BEYOND:
COMMUNITY OF INNOVATION
KNOWLEDGE CONVERSION

• Tacit of Teaching strategies are explicitly shared in E-training courseware (Tacit to explicit)

• Teaching strategies will be tried out among members and to be shared, in the next phrase (Combination)
Through the experiences during the try out, an innovation of teaching strategies might occur,

Tacit knowledge will again take its cycle. Explicit knowledge will be again transformed to a tacit one (Personal knowledge of new Teaching strategies)
A group made up of motivated individuals working together towards a common goal, not because of their superiors, they are convinced of their common cause.
Communities of Innovation (CoI)

... a form of COP that are dedicated to support of innovation.

...CoI can be formed from champions of innovation and their social network, that are safe places for a creation and innovatory ideas. (Oakes and Smith, 2007)
Beyond the E-training to a KS or a COI

Knowledge Sharing

– Inside-out to share

– Outside-in for innovative teaching strategies for ultimate students’ outcome.
Beyond the E-training to a KS or a COI

COI -- Issues to be discussed

- Trust a sense of community
- Incentive
- Common goal of the COI
Q&A
Thank you