Distance Education in Tsinghua University

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Outline

- Distance Learning in China
- Distance Education in Tsinghua University
  - On-campus
  - Off-campus
  - New trends
- Cooperative Proposal for APRUNet
- APRUNet---DLI 2004
Distance Learning in China

- Universities
- On Campus:
  - Campus internet (CERNET)
  - Teaching by means of internet
- Off Campus:
  - Started in 1999
  - 67 top universities
  - 2 million students
  - 90% for degrees

- Industries:
  - Enterprise information system
  - Staff training
  - Vocational training
  - e-business
  - …
Statistics of Students Types

- Junior college for Bachelor education: 48%
- High school to undergraduate: 36%
- Junior college: 10%
- Postgraduate Course: 5%
- Continuing education: 1%
Distance Learning in China (cont’)

- Government
- E-government
- Officers training
- Professional certificates
- Teachers training
- Video conference
- …

- Community
- Life-long learning
- E-learning in schools
- Poverty-help
- Language learning
- Compute skill
- …
New Trends in Future

- Technology
- Information highway
- Wide band
- Western China
- Countryside
- Society and family
- ...

- Application
- Education
- Information
- Entrainment
- Business
- Life-long learning
- ...

History of On-Campus e-Learning in Tsinghua University

- Started in 1997 with only 10 courses
- March 1999, courseware on-demand system launched
- July 1999, Web-based Testing System launched
- October 1999, Tsinghua Web School opened

- Tsinghua Web School
  - 1,014 courses
  - 25,734 users (2,034 teachers, 23,700 students)
  - 1,080,000 login accesses (does not include guests)
  - 180,000 online hours

- Web-based Testing
  - about 2,000 students took final exams for “English”
  - about 1,000 students took finals for “C Language”
# On-Campus e-Learning Facts during SARS

<table>
<thead>
<tr>
<th>Month</th>
<th>Visiting Numbers Per Day</th>
<th>Students Tutorials Per Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan.-March</td>
<td>4,445</td>
<td>300</td>
</tr>
<tr>
<td>April</td>
<td>7,192</td>
<td>660</td>
</tr>
<tr>
<td>May</td>
<td>8,565</td>
<td>720</td>
</tr>
<tr>
<td>June</td>
<td>8,587</td>
<td>1,050</td>
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We'll work still harder to improve our site, and we wish that the EEE site will be a good friend of you and of any help for your English study. It is as hard for you to learn English well as for us to build this little site, but let's begin to make it from good to better!

My dear friends:

We have spent a long time on this lovely site—the long summer vacation and the National Day. We just want to offer a nice and special present for you. So just enjoy yourself and make progress everyday!

Yours

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2001年10月1日
Computer Cultural Foundation Website

http://ccf.tsinghua.edu.cn/
Distance Education for Off-Campus in Tsinghua University

- First and largest distance education institute in China (since 1997)
- More than 100 off-campus learning centers established in China
- 22,000 degree-track students; 9,000 students in short course training
- Nearly 200 courses via Internet and satellite
Off-Campus Teaching Centers
Technology Program of Distance Education

- VSAT
- ISDN
- INTERNET
- PSIN

- Course Distribution System
- Satellite Communication System
- Content Library
- Real-time Production System
- LAN

- Satellite Reception System
- CATV Network

- Remote Station
- Remote Station
Example 1: Distance Education for Poverty Relief

- China has 592 key impoverished counties
- There are 12 provinces in the west
- These areas have undeveloped economies and lack educational resources
- We are planning to establish 100 learning centers in 3 years and to delivery courses

Technology: Sat, Internet, ISDN and CD-ROM

Courses:
- Law
- Teacher training
- Agriculture technology
- Hospital and health care
- Business & management
- ……
Tsinghua University Educational Assistance Project for Underdeveloped Areas in China
Example 2: Industrial Training via Distance Learning

- Offers a training platform for enterprise
- Develops more highly skilled training programmers
- Introduces excellent educational resources from around the world

- Provides:
  - Programs for 200 companies
  - Tsinghua IT certificate
  - Financial and actuary
  - Urban planning
  - Project management
  - Management (MBA & MPA)
  - High technologies
Example 3: Legal Studies via Distance Learning

Goal: Provide continuing education for staff in prosecutor’s offices and judicial departments

Students: lawyers, public prosecutors, notaries public.

Courses: 20 courses at undergraduate and postgraduate levels.

Student totals in 2002:
- Lawyers and notaries: 1,659
- Public prosecutors: 2,294

Planned total for 2003–2004: 10,000
Example 4: English Training via e-Learning

- Needed for:
  - 2008 Olympic Games in Beijing
  - 2010 Exposition in Shanghai
  - Governments and industries (post WTO entry)
  - Businesses
  - Tourism
  - Study abroad

- 50 Learning Centers
- Tsinghua International English (Tsinghua-ACL)
- University teachers English training: (Tsinghua-Cambridge U.)
- Online courseware
- F2F tutorial
Example 5: Crisis Management
Forum of Tsinghua University
Cooperation Modes

- Each university offers 3-5 international courses by e-Learning per year
- Sharing the course resource
- Establishing joint teaching centers in Pacific Rim countries
- Credit transfer
- Research fund for e-Learning
Network and Technology

- Establishing Pacific Rim distance learning network
- Developing advanced information technology
- Working with industries together
- Balancing the quality and marketing
Collaborative programs on e-Learning in APRU Universities

- Language learning: Chinese & English
- Chinese culture and history
- Information technology training
- Economics and finance
- Agricultural technology
- Crisis management
- Poverty-help
Distance Learning and the Internet 2004 (APRU--DLI04)

- **11th – 13th October 2004, Tsinghua University, Beijing, CHINA**
- The conference will be co-sponsored by Tsinghua University and the Association of Pacific Rim Universities (APRU)
The theme of the conference is “Distance Learning – Benefiting All”.

- The sub-themes of this conference are
  - Quality control
  - Technology trends
  - Globalization
  - Possibility for the degrees
  - An increasing industry
Tsinghua University
1911-
Tsinghua Garden
Campus

- 380 hectares in total
School Buildings
Student Facilities
Conference Hotel

- Innovation Plaza
- Unis Center Hotel
Conference Center
Main Building
Thank you for your attention!

Looking forward to meeting you in Beijing next year.