E-Learning in Japan
A view from Kumamoto

Katsuaki Suzuki, Ph.D
Professor and Chair
Graduate School of Instructional Systems
Kumamoto University, JAPAN
ksuzuki@kumamoto-u.ac.jp
http://www.gsis.kumamoto-u.ac.jp/ksuzuki/

Where is Kumamoto University?
Students distribution of our program

As of April 2008

Degree Seeking Students
(Master/Doctor)

NON-Degree Seeking Students
(Master/Doctor)

Only way to open a nationwide program for a local university

What is Instructional Systems Program?

- Founded in 2006 as an independent master’s program
- Japan’s first graduate program to train e-Learning specialists through e-Learning (100% online)

Course List by 4 I’s Concept of Instructional Systems Master Program

- Instructional Design I
- Instructional Design II
- e-Learning Fundamentals
- e-Learning Practicum I
- e-Learning Practicum II
- Master Thesis I
- Master Thesis II
- Fundamentals of Pedagogy
- Educational Psychology
- Methodology of ICT Education
- Learning Support ICT System
- Fundamentals of Information Processing
- ICT Utilization in Education
- Network Programming
- Network Security
- Content Standardization
- e-Learning in Foreign Language Learning
- e-Learning in ICT Education
- e-Learning in Corporate Training
- e-Learning in Higher Education
- Educational Business Management
- Implementing Distance Education
- e-Learning Management and Policy
- e-Learning Consulting
- Information Business Management
- Knowledge Management
- Special Topics in Business Administration
- Intellectual Property for Network Environment

Kumamoto University was founded in 1887
It has 10,000 students and 1,000 faculty in 7 colleges and 9 graduate schools

A totally new and only online program
Good Practice Grant from MOE

FY2007 MOE Graduate School Good Practice Grant Awarded

Innovative Educator Training Program for IT Area

GOAL
Train e-Learning Specialists capable of International Collaboration & Academic-Industry Partnership

1) Story Centered Curriculum by International Teamwork
2) e-Portfolio-based Education Improvement System
3) International Distance Collaborative Course
4) Fusion of Learning and Work by Partnership

Our challenge continues with:

MOE Grant: Innovative Educator Training Program for IT Area

Instructional Systems Master Program (2006–)

Up to 6 per year: full scholarship from JICA to study in Okinawa

Instructional Systems Doctoral Program (2008–)

Learning Environment 2006–2007 Before SCC

A Virtual Tour
Instructional Systems Program
Kumamoto University, JAPAN
WEEK 7
Contents on WebCT

Learning Activities (Quizzes, Discussion Board, etc)

Introduction and Directions

Original Learning Portal: Monitoring All Courses currently enrolled (Before SCC)

Monitoring Functions:
- Assignment Due Dates: overdue, due in one week, being accepted, not yet available
- Status: passed, resubmission required, grading in progress
- Direct links for each of the assignments in multiple courses

SCC Learning Environment (2008–)

Sign on
Course Contents on WebCT

In-line arrangement of chunks of courses following Scenario Development

Cover Story for 1st Semester


You are given Mission to complete within 15 weeks, by Mr. Nakamura, the director of Contents Development Unit.

1) To establish quality standard of e-Learning products.
2) To propose strategic plan for a new product.
3) To propose new business line capable of starting a new Unit related to e-Learning.
Setting & Characters of the Story

- e-Learning System Development & Sales
  - Seeking high quality products to survive

- Daughter Firm of Major Trader
  - A venture aiming to list within 3 years

Mission for the first 15 Weeks

- To establish quality standard of e-Learning products.
- To propose strategic plan for a new product.
- To propose new business line capable of starting a new e-Learning related unit.

Weekly Scenarios and related Firms

1. Week 1

- Content Usage Request
- License Agreement for Picture Use
- New Unit Establishment Plan

Structure and Sequence of Courses

Before SCC ~ 2007

After SCC 2008 ~

- Taken in the 2nd Semester

MTM社の1社員になり、降り注ぐ上司の指示へ「学びながら」対処！
Japan as #23: e-Learning Readiness

150 index in 4 categories x 4 criteria

- **Education** 6.71 points; rank=24
- **Industry** 6.52 points; rank=22 (tie)
- **Government** 6.60 points; rank=32
- **Society** 6.33 points; rank=24

**Connectivity** (the quality and extent of Internet infrastructure)

**Capability** (ability to deliver and consume e-learning, based on literacy rates, and trends in training and education)

**Content** (the quality and pervasiveness of online learning materials)

**Culture** (behaviours, beliefs and institutions that support e-Learning development within country)

Top 30 Ranking with Points (out of 10):

1. Sweden 8.42
2. Canada 8.40
3. US 8.37
4. Finland 8.25
5. S. Korea 8.24
6. Singapore 8.00
7. Denmark 7.98
8. UK 7.93
9. Norway 7.91
10. Switzerland 7.72

11. Australia 7.71
12. Ireland 7.60
13. Netherlands 7.59
14. France 7.51
15. Austria 7.49
16. Taiwan 7.47
17. Germany 7.45
18. New Zealand 7.37
19. Hong Kong 7.34
20. Belgium 7.19
21. Italy 7.07
22. Spain 6.98
23. Japan 6.53
24. Greece 6.52
25. Malaysia 6.48
26. Israel 6.34
27. Portugal 6.33
28. Chile 6.13
29. Czech 6.11
30. Hungary 6.09

Non-profit Organization among e-Learning Vendors and Users (87 member firms as of Oct. 2008)
Est. 1996 as TBT Consortium (eLC 2001–)
Monthly meeting among members
Summer e-Learning World (Conference/Expo)
Winter e-Learning Conference
SCORM Translation/Validation test
e-Learning related books/information/seminars
e-Learning White Paper (2007–)
e-Learning Professional Certificate (2008–)

Seven Job Functions Defined
Heavily Relying on CELP
Certified e-Learning Professionals
Started offering training courses in 2005
Certification started in March 2008

All of our graduates can be certified as:
- Learning Designer
- Manager
- Expert
- Consultant
- Contents Creator
- SCORM Engineer

GSIS will make our courses available as a part of eLP certificate training
National Institute for Multimedia in Education http://www.nime.ac.jp/en

- Established as a MOE inter-university research institute (2004-2009 independent) serving for ICT in higher ed.
- NIME-glad: Gateway to learning for ability development
  - Aggregated cross-website searches (130,000 cases)
  - Federated search with ARIADNE and MERLOT
  - Collaboration with GLOBE, Global Learning Object Brokered Exchange (added education.au.limited and LORNET)
- Journal of Media in Education (Peer reviewed)
- Annual Reports of ICT in Higher Education
- International Seminars
- Workshops for the training of teaching staff in ICT
- Development and provision of e-Learning courses in remedial education, graduation competencies, etc.

Merged to Open University Japan in April 2009 as Center of ICT and Distance Education (CODE)

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e-Learning in Higher Education Institutions (Ratio of introduction)

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<thead>
<tr>
<th>Year</th>
<th>University</th>
<th>2 yr College</th>
<th>Tech College</th>
<th>Total</th>
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- YES YES YES YES NO NO NO NO N/A N/A N/A N/A
- Planning for awarding credits Yes 48% (198/410)
- Planning for awarding credits No 13% (55/410)
- No Plan for awarding credits 34% (138/410)

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For Profit Online Universities in Japan

- University of Digital Content
  - Kenichi Omae Graduate School of Business
  - Cyber University

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e-Learning for Credit? Not yet

- YES YES YES YES NO e NO e NO e NO e
- Planning for awarding credits Yes 48% (198/410)
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- No Plan for awarding credits 34% (138/410)

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For Profit Online Universities in Japan

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Not only one-way correspondence style e-Learning, but also for learning cycle with interaction and support