SMART LEARNING FOR THE MOBILE GENERATION & MOOCS

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The Evolution of Learning

Real Work & Learning Indistinguishable

Knowledge Creation/Exchange

Skills Transfer

Information Transfer

Open up time and place for learning

Open up time and place for extended operations and improved decision making

Mobile Learning

Data and analysis where and when you need it

E-Learning

Real Work & Learning Indistinguishable

Personal Devices

Empowered

Controlled

Centralized

Decentralized

Authority-Centered

Recipient-Centered

Team-Centered

Community-Centered (real and virtual)
M-Learning in Various Settings: theory and practice
Anytime, Anywhere, Anyone?

Apple's iPod, 2007 iPhone, 2010 iPad
OLD DEFINITION

Focused mainly on learning with mobile devices; techno-centric
NEW DEFINITION

Focuses on learner mobility, learner- and community-centered
Learner Mobility
Benefits of mLearn

- Phones with connection (*Accessibility*)
- Personalization (*Pace*)
- Capture your inspiration/ideas
- Ease of it (*Immediacy*)
- Facilitating interactions, teamwork, social networking (*P2P mLearning*)
- Creativity (*more pictures, multimedia*)
- Speeding things up (*GPS, access to info., shopping*)
Learn to be a smart Mobile Learner (M-Learner)
Service apps: Alarm clock, GPS, Kayak, Ctrip, Calendar, Alarm.com

Social networking tools: Facebook, Twitter, Linked-in, Whatisup, WeChat, Instagram

Writing: Blog, Microblog (Weibo), WeChat, Evernote

News: WSJ, CNN

Shopping: Amazon, eBay, RedLaser

Learning: Blackboard, Moodle, MOOC, iTunes U

Banking and Finance: Citimobile, Chase

Reading: Kindle, iBooks, PDF reader

Misc: Flashlight, Ultrasonic (bugs), Talkatone (free phone), Stars, MicroTV
What M-Learning can do for you?
Learn to be a smart M-Learner

Personalised information feeds and mobile tools

Personalised resource archives

Learner-selected peer network

Learner-selected mentors
Informal Learning in our Formal life

**Formal learning**
- formal education
  - university programmes
- formal training
  - courses/programmes
  - structured instruction/info

**Informal learning**
- informal training
  - job-embedded learning
  - semi-structured instr/information
- informal learning
  - information, knowledge
  - unstructured information

- 20% of workplace learning
- 80% of workplace learning
- 100% spend
- Average 4 training days per year
From Formal to Informal Learning

- **Used in higher-ed**
  - Large hybrid classes at Shanghai Jiaotong U.

- **Support outdoor activities**
  - K-12 schools around the world
  - Project-mGage (mobile engagement): SDSU

- **Used in public education**
  - Museums & exhibitions; iPad Classrooms
  - The Shanghai Expo (2010)

- **Support individualized learning or training**
  - Qualcomm’s mobile training (BYOD)
  - Huawei University
Dialogue 4
打包
A: I’m full(not a fool). / stuffed
B: But there’s still a lot (of food) left over.
A: Don’t worry. I’ll ask the waitress for a doggie bag.
Open U of Shanghai: mLearn on iPad
<table>
<thead>
<tr>
<th>M-Learning Applications</th>
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</thead>
<tbody>
<tr>
<td>1. Course schedules</td>
</tr>
<tr>
<td>2. Just-in-time course information</td>
</tr>
<tr>
<td>3. Social events/announcements</td>
</tr>
<tr>
<td>4. On-line quizzes</td>
</tr>
<tr>
<td>5. Learning games</td>
</tr>
<tr>
<td>6. Learning supporting content</td>
</tr>
<tr>
<td>7. e-Books</td>
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<tr>
<td>8. Real-time collaboration</td>
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<td>9. Knowledgebase/Case Study</td>
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Exemplary Cases of M-Learning
BYOD Mobile Learning Model

Successful m-learning is built around specific needs, or contexts. When designing a solution, need to balance the inter-relationship between device, employee & employer needs.

- **Device Characteristics**
- **Usability**
- **Employee Needs**
- **Security**
- **Content**
- **Personalized Engaging**
- **Organization Needs**
Enhances the User Experience

LEARNS
SENSES
DISCOVERS
FILTERS
KNOWS
INTERACTS
Use a smart phone’s QR code reader on this image and you will be taken to one of Minjuan’s mobile websites. This one was made for a university-level EFL class. The site has not been updated for the current semester, but it will give you an idea of what is possible with the iWebkit template.

Alternatively, you can visit this link at http://edweb.sdsu.edu/courses/edtec596/ML/mobiletemplateESL/
Welcome to mLearn 596!

Course Syllabus
Read All Carefully

Instructor

Resources

Course Description

Class Schedule

Exams, etc.

☑ Attendance Policy

A+ Grading Policy
Let's M-Learning Now! M-LMS

http://blackboard.com/Mobile/Overview.aspx
M-Learning for Medical Professionals

- Open source
- Mobile browser
- Or special mobile phone application

最新的智能型手机听诊程序，只要把手机的麦克风，贴在靠近心脏的6个特殊位置，就能清楚听到心跳声，还能录音，帮方便医生作远程诊断，刚上市，吸引全球超过300万个医生下载。
Selected Publications

- IEEE Transactions on Education
- British Journal of Educational Technology (BJET)
- Educational Technology Research and Development (ETRD)
- Educational technology and society
- Open Education Research
- Computers and Education

See: http://tinyurl.com/minjuan

Copies available by email.