



學能提升研究中心

Centre for Learning Enhancement And Research



香港中文大學

The Chinese University of Hong Kong

# Education Taking Advantage of the BYOD Era (m-Library 2014)

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# Mobile Learning@CUHK

Version 2.0, June, 2013

The website has resources and ideas to assist teachers in using mobile technology as teaching and learning tools.



**Latest news**



uReply version 2 will be launched by September 2013 with the added feature of Question Bank. [Know more...](#) (03-07-2013)



uDraw shortcut icon can be found on classroom computers starting September 2013. [Know more...](#) (02-07-2013)



Learn  
Mobile  
CUHK



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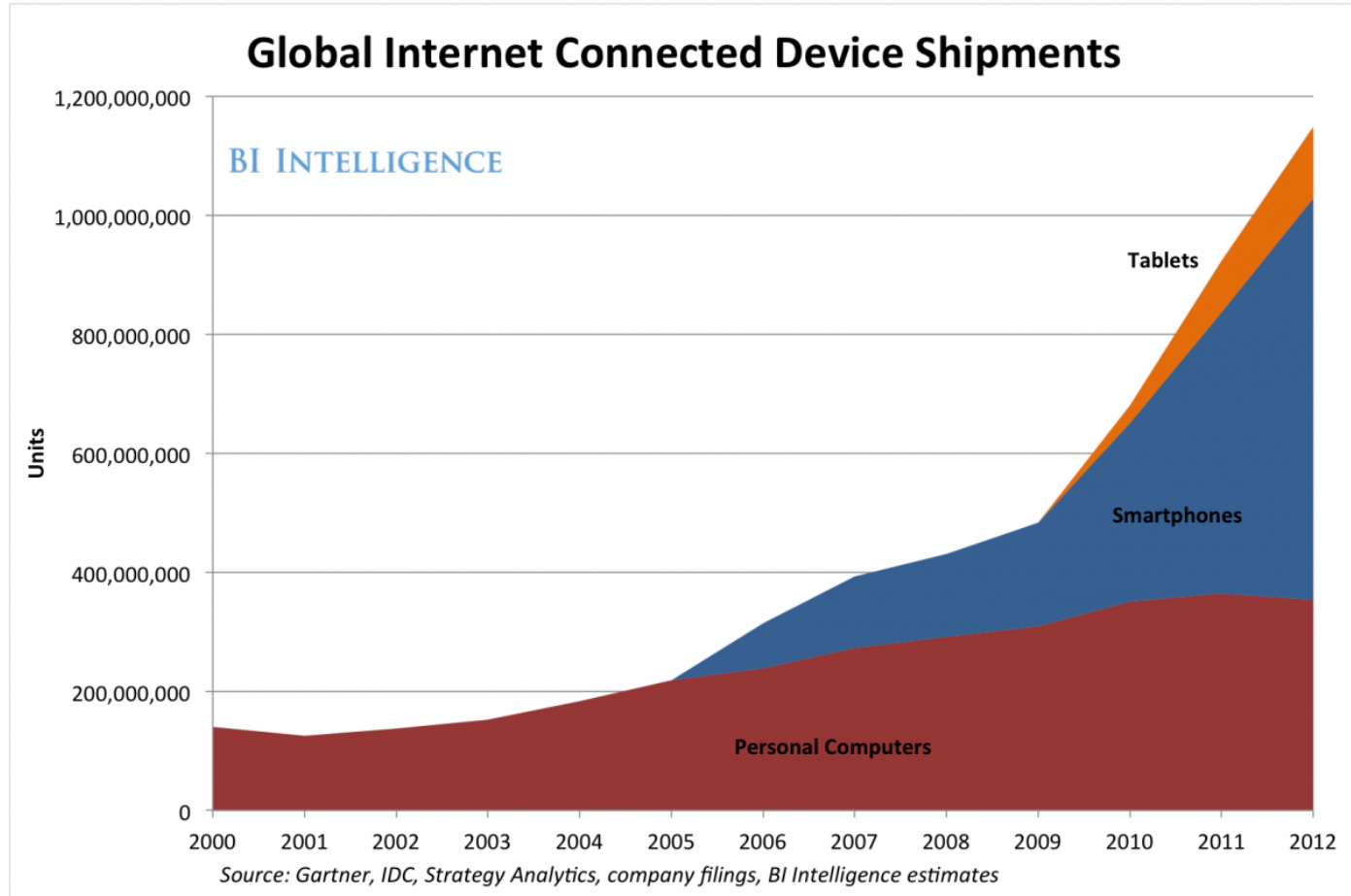


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**CHANGES!!!**

# New technology



<http://www.extremetech.com/computing/161666-the-demise-of-microsofts-monopoly-the-pc-market-by-the-numbers>



- ▶ In Hong Kong,  
penetration rate  
of smartphone  
87% (2013  
figure, Nielsen  
report)



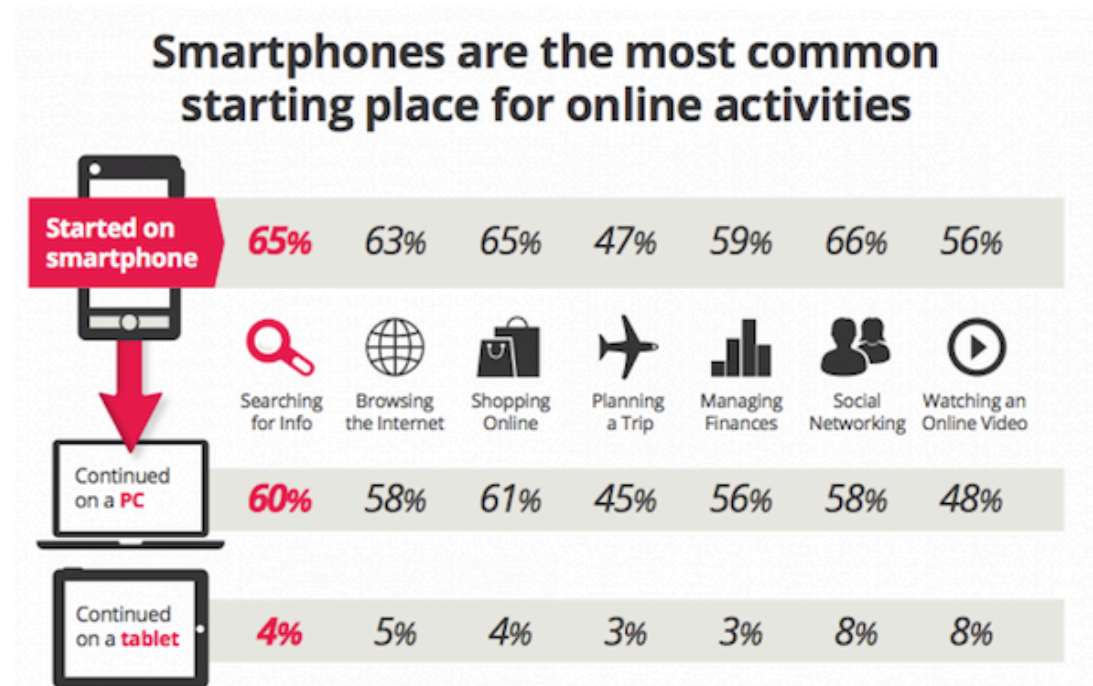
► Student A



► Student B



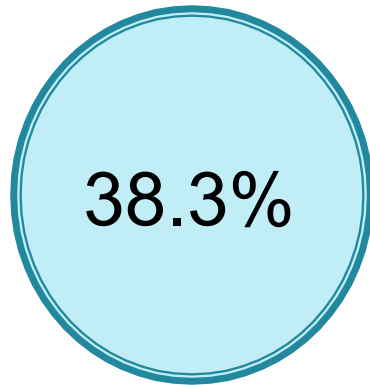
- ▶ Smartphones are the most common starting place for online activities (Mobify)



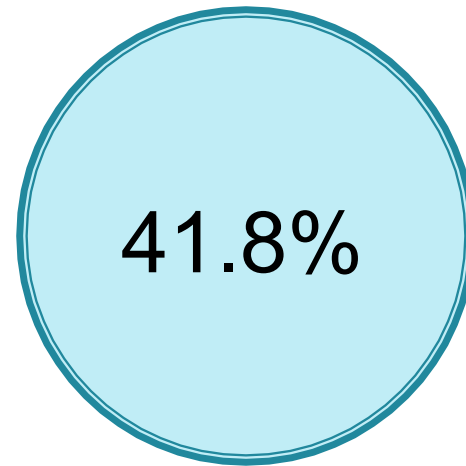
<http://www.mobify.com/blog/5-ipad-mini-design-development-best-practices/>

# mLearning @ CUHK website

- ▶ Page views



2012-2013



2013-2014





# Bring Your Own Device (BYOD)

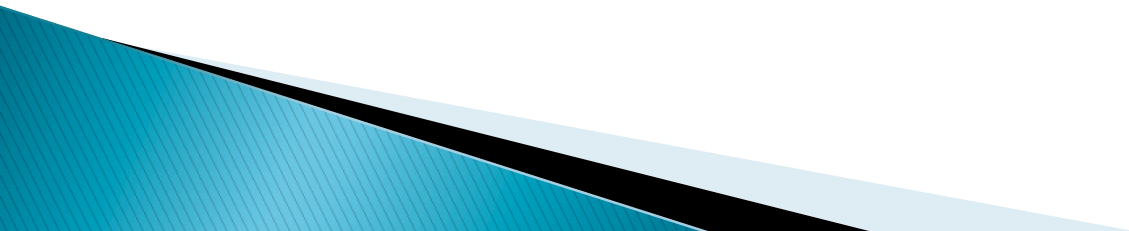
- ▶ “...mobile devices have great potential in enriching the learning environment ...” (Woodill, 2011)



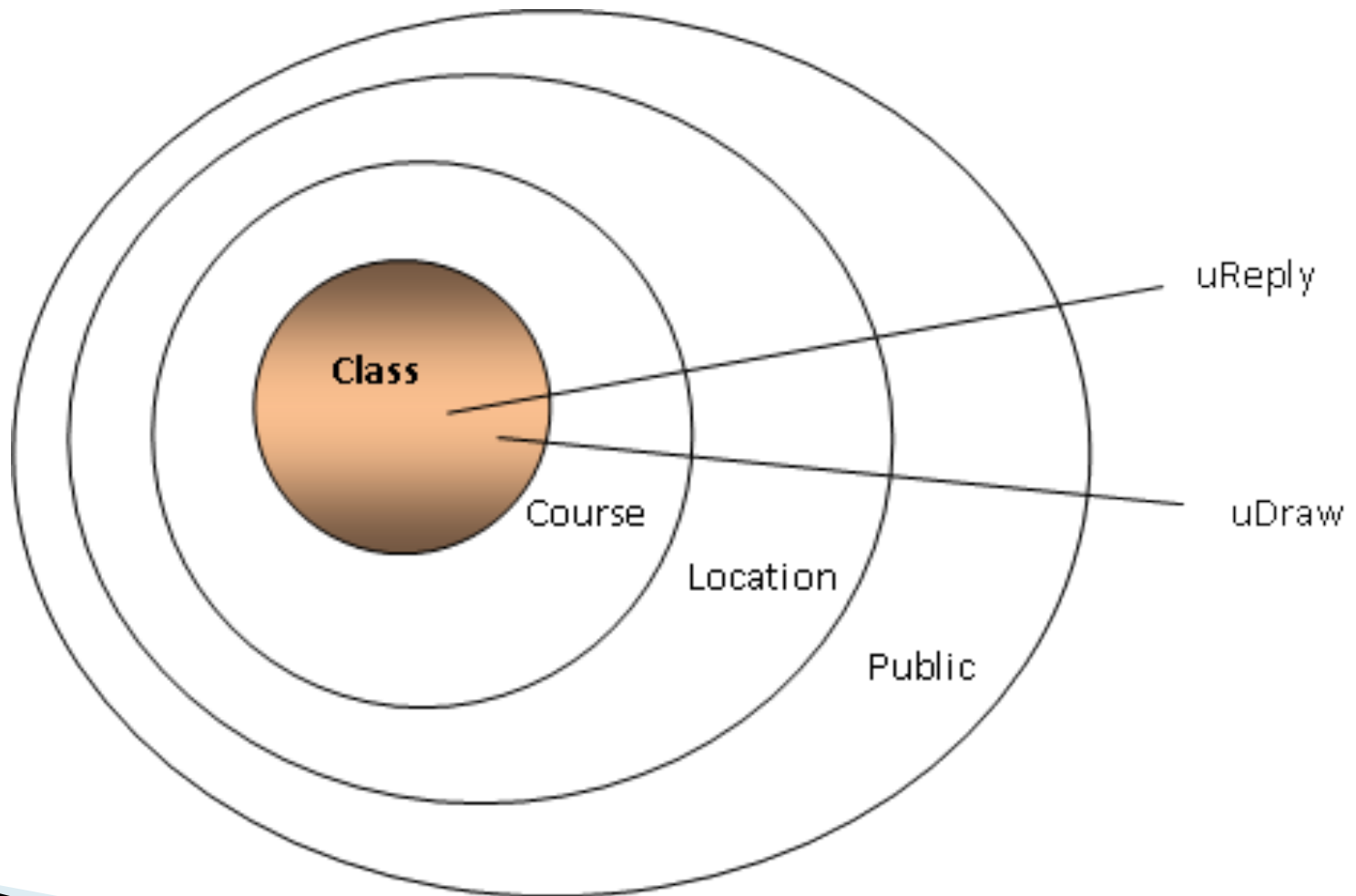
# New concepts

Educational concepts	Technology
Peer learning	Classroom interaction tools
Learning community	Social media
Self-directed learning	Mobile learning resources
Inquisitive learning	Location-based learning

WORK DONE OR BEING DONE



# Inside classroom





# uReply

- ▶ <http://cu.ureply.mobi>



Ask on-location



Question bank



Detailed reports



MC & text



Ease of use



Campus-wide



Pre-recorded  
explanation



Cross-platforms

## ▶ Q 1 – MC Question

▶ If the day before yesterday is two days after Monday then what day is it today?

- A. Monday
- B. Tuesday
- C. Wednesday
- D. Friday

<http://teacher.ureply.mobi>

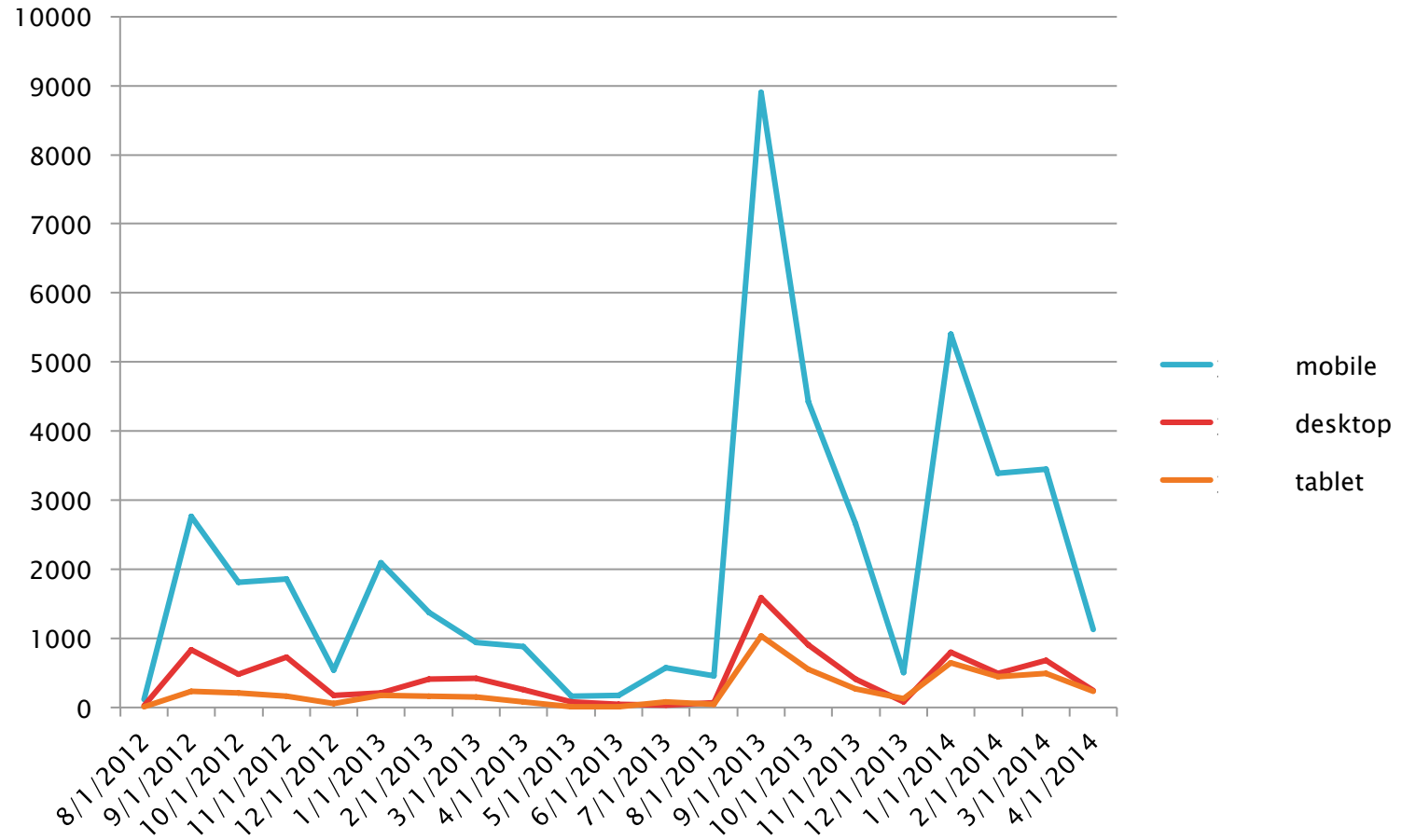


# Visits (4 semesters)

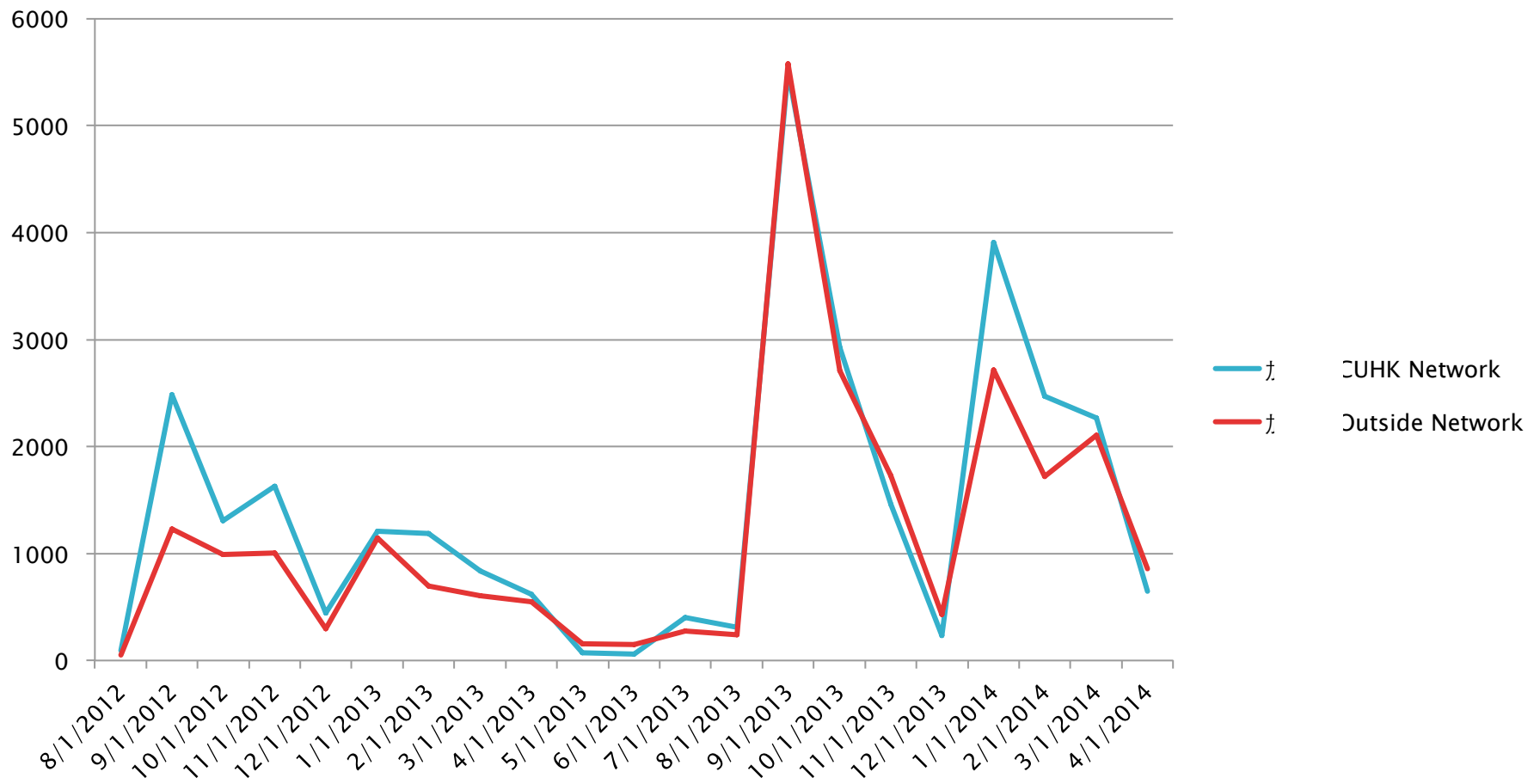
- ▶ Nearly 250,000 page views
- ▶ Over 1800 questions in QB
- ▶ Over 320 CUHK teachers registered



# Types of devices

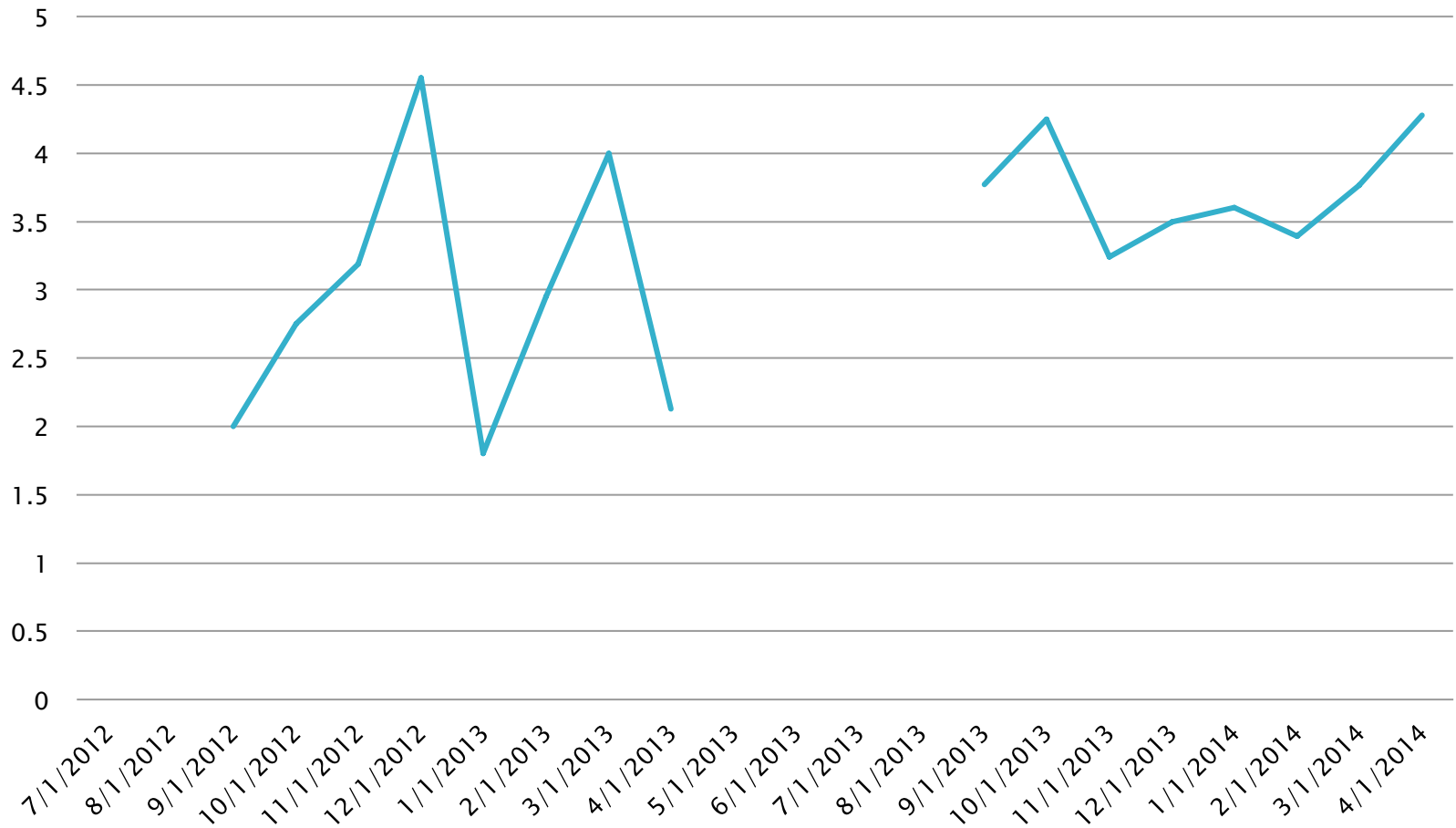


# Network used





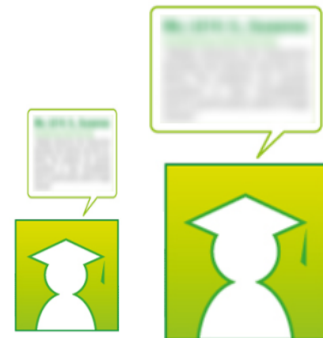
# Questions per session





# Usage

- “After using the short question function of uReply, I discovered that it is really useful for sharing of ideas between students, and most of them love this feature a lot!” – *Dr. Lee Rebecca K. Y. (Biomedical Sciences)*
- “When class size is large, getting every student to participate has always been challenging; uReply is a handy tool for getting every student to participate.” – *Dr. CHOI Chiu-Wo (Computer Science and Engineering)*





uReply - Session page  
http://uReply.mobi  
Session ID: 1249  
Question 7 (MC):  
Title: MEDM1316/1326(201

ENDED ✓ Correct answer Explanation

Option	Score	Percentage
1/A	5	100%
2/B	3	100%
3/C	6	100%
4/D	5	100%
5/E	6	100%

Participant d

Show all participants

Question:

Which of the following works with the help of Gene Therapy?

- Supplementing proteins that cannot be produced by the defective gene.
- Killing the unwanted cells.
- Correcting a mutated gene.
- Turn-off a gene's expression.

A. I only.  
B. III only.  
C. I and III.  
D. I, III and IV.  
E. All of the above.

GUEST9246 (QUEST 9246)  
GUEST9256 (QUEST 9256)

Compare (27 and 28)  
Flags Next question



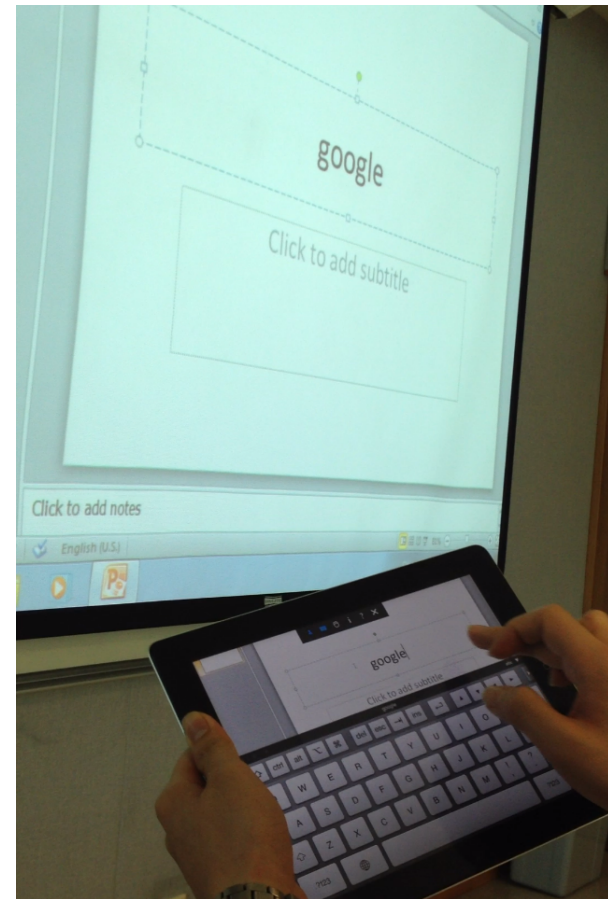
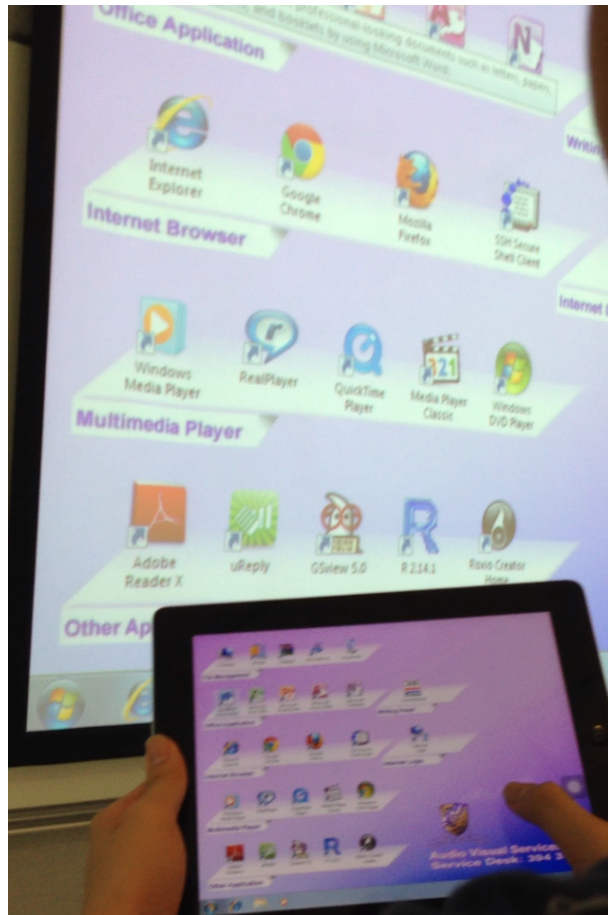






More ideas

# Teaching on mobile



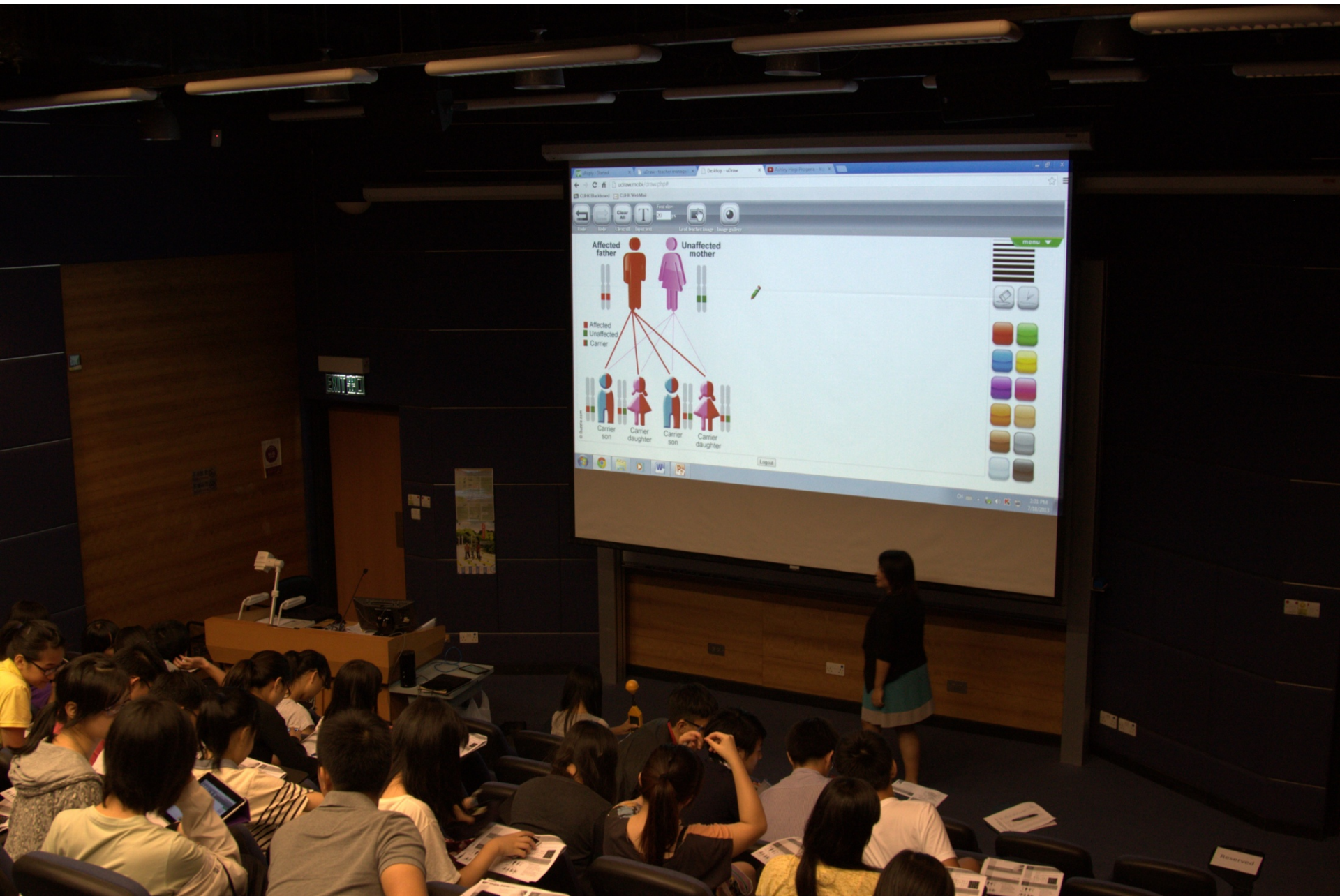
uDraw



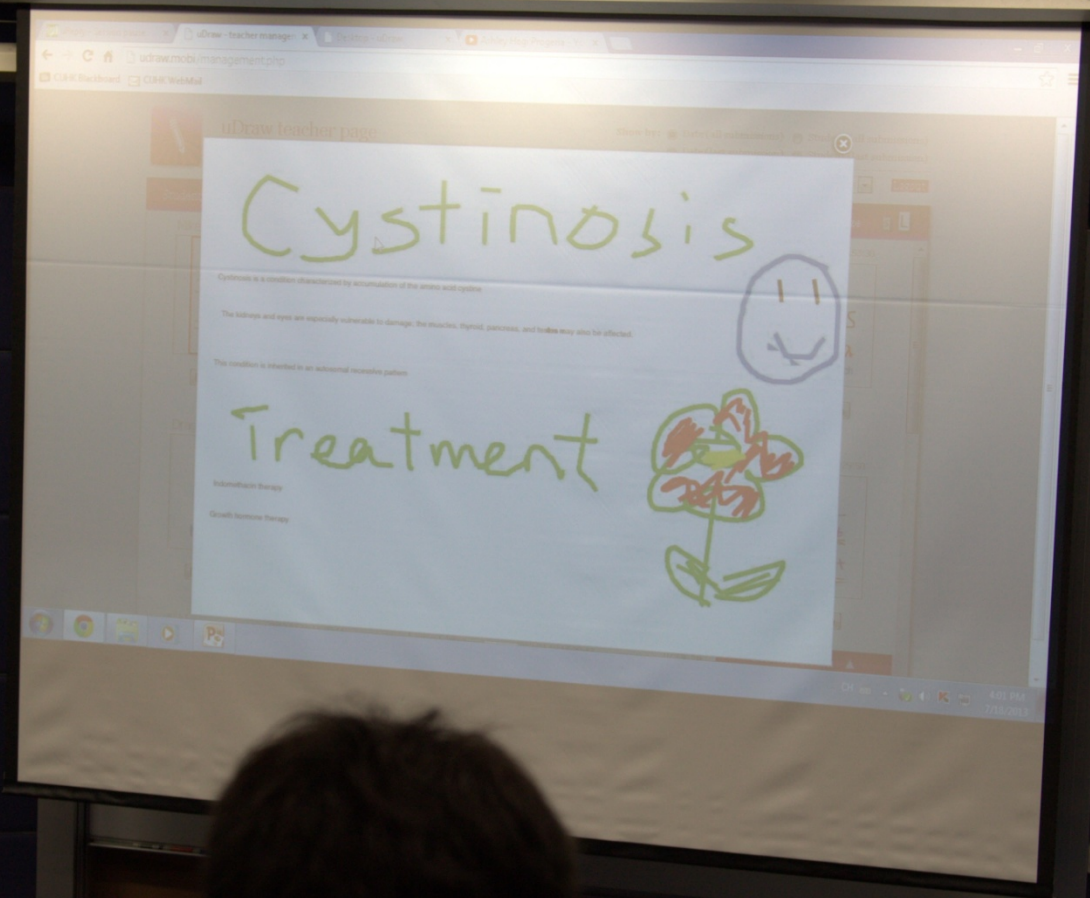
- Drawing
- Editing
- Sharing
- Marking



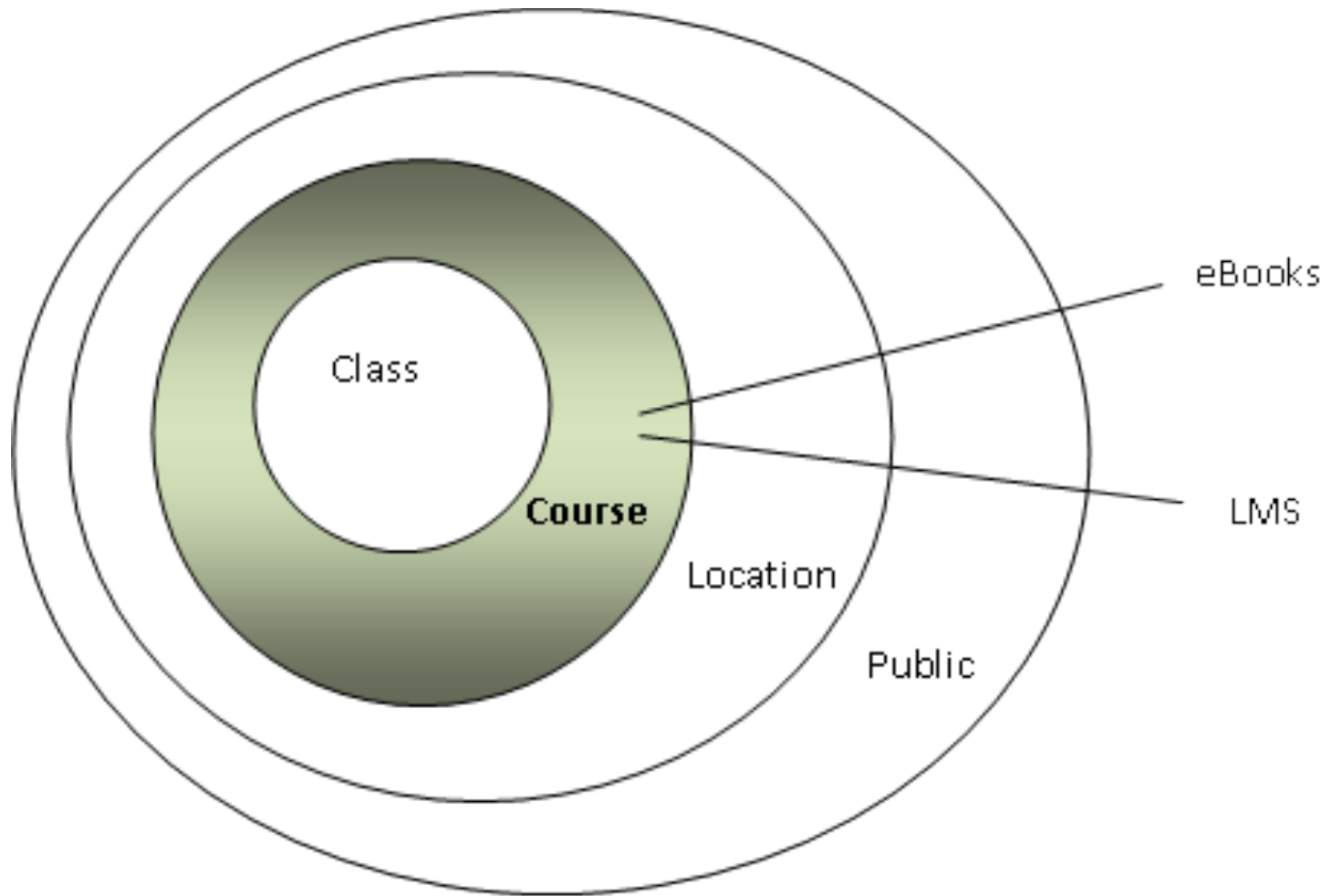




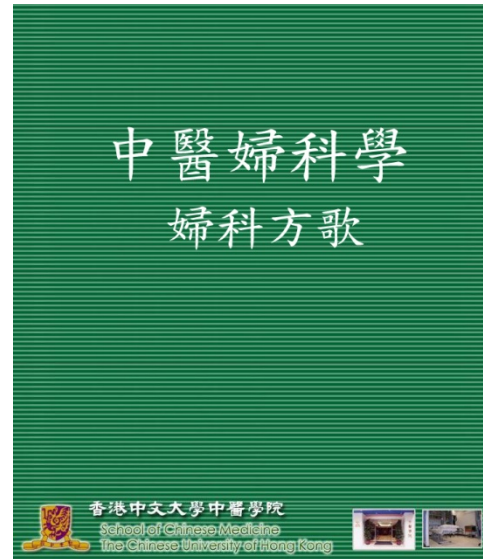
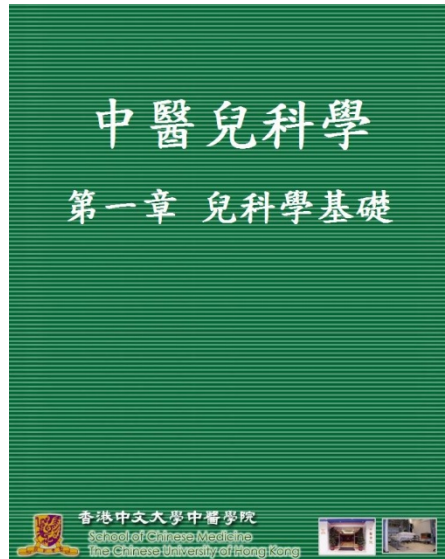




# Course self-learning



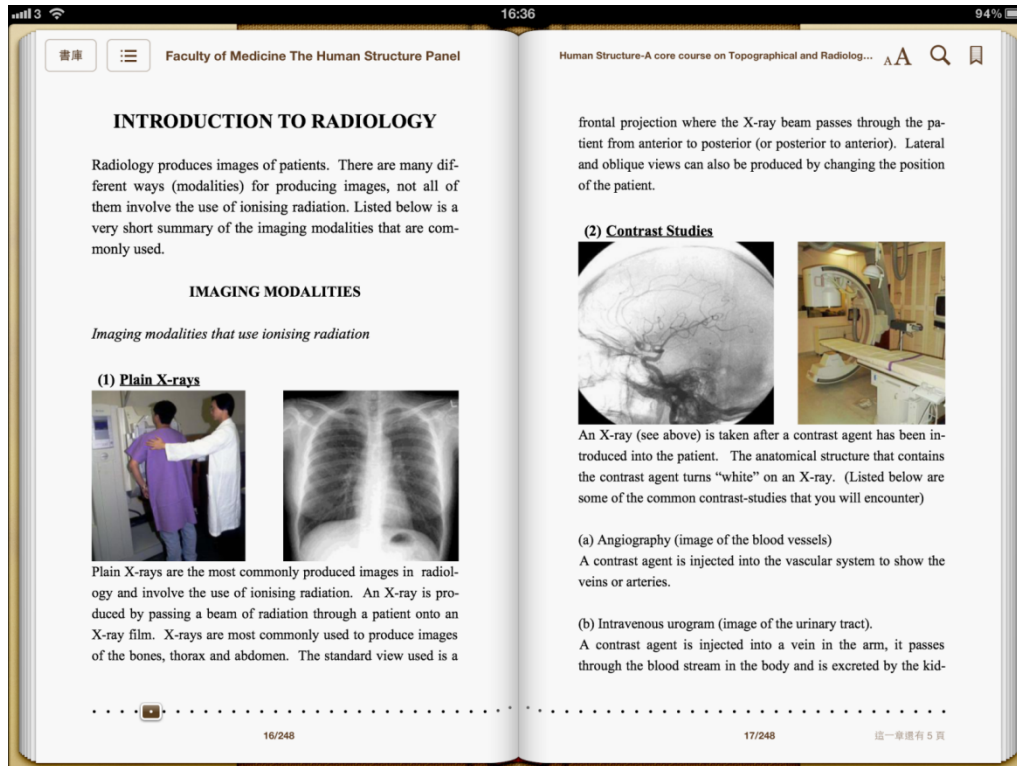
# ZX, Chinese Medicine (2010 – 11)



- ▶ Text
- ▶ 30+ eBooks
- ▶ Reference materials
- ▶ Information when needed

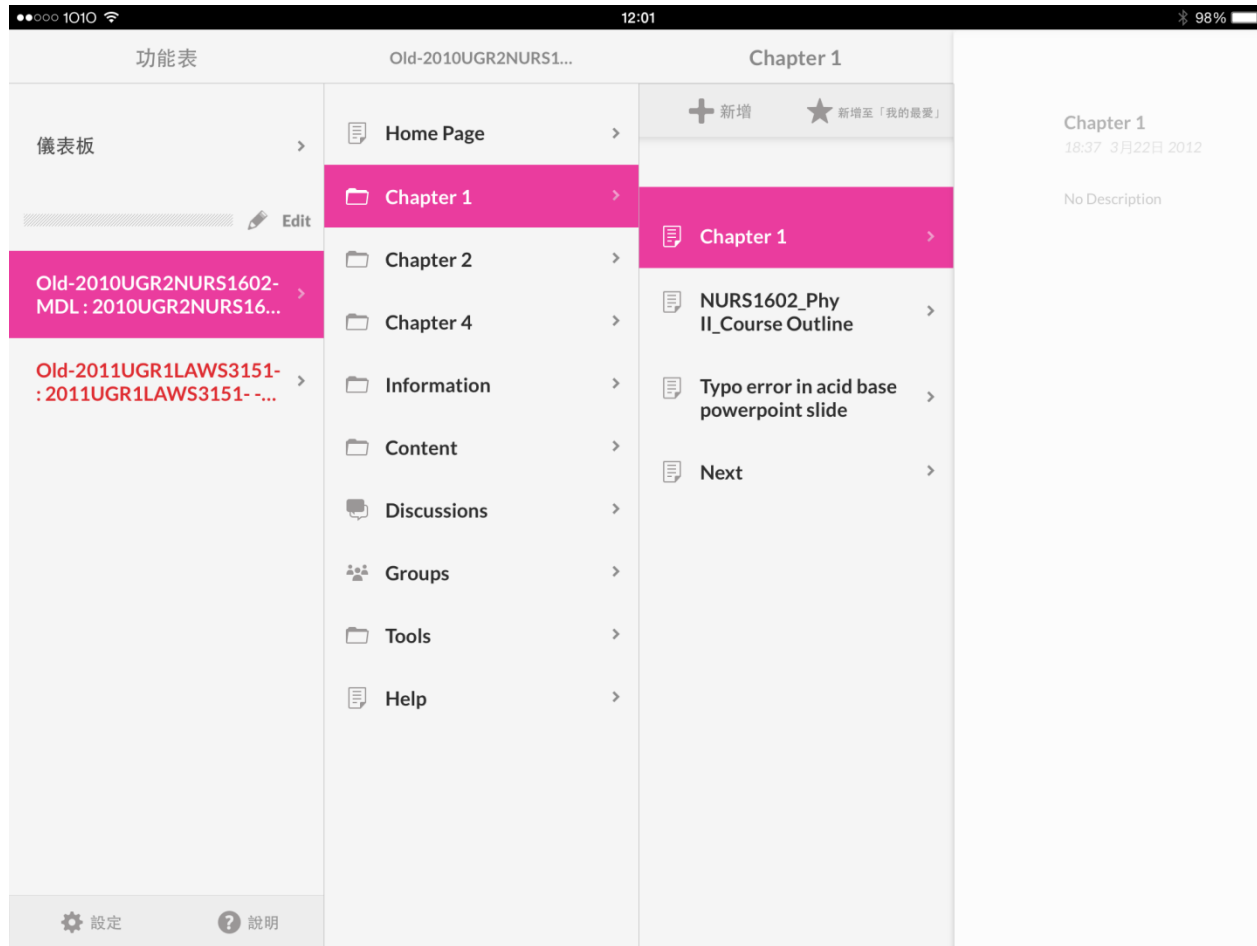


# Sam, Biomedical Sciences (2013)

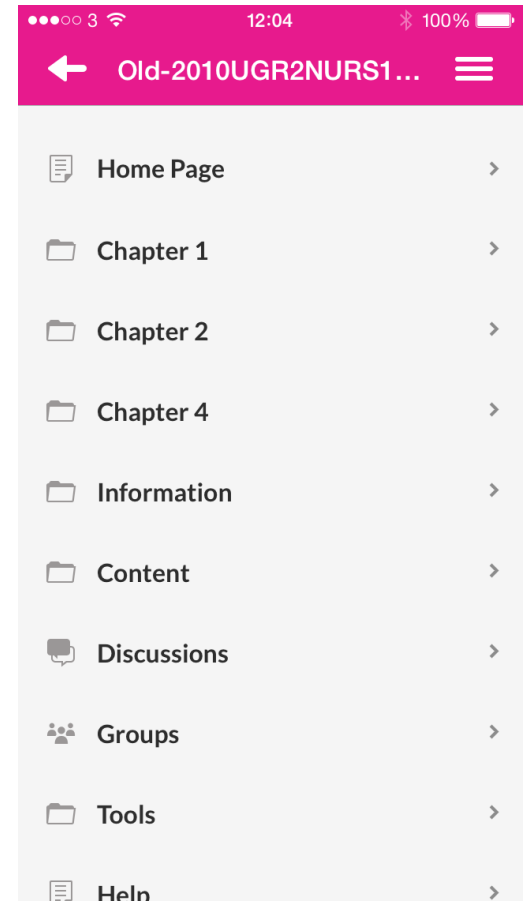


- ▶ Text + graphics + videos
- ▶ Highly integrated with course
- ▶ Pre-lab book
- ▶ Students are required to finish reading before labs

# Mobile-ready LMS



Party 3



# Communication

- ▶ Whatsapp group
- ▶ Facebook group

3<sup>party</sup>



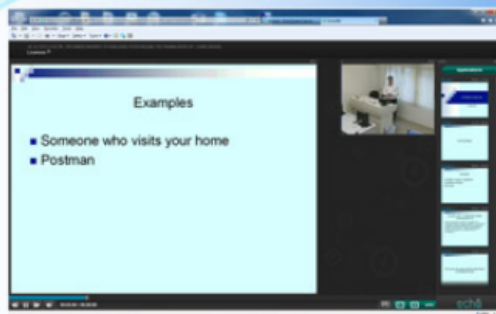
# Lecture recording

Party 3

## Automated Lecture Recordings @ CUHK

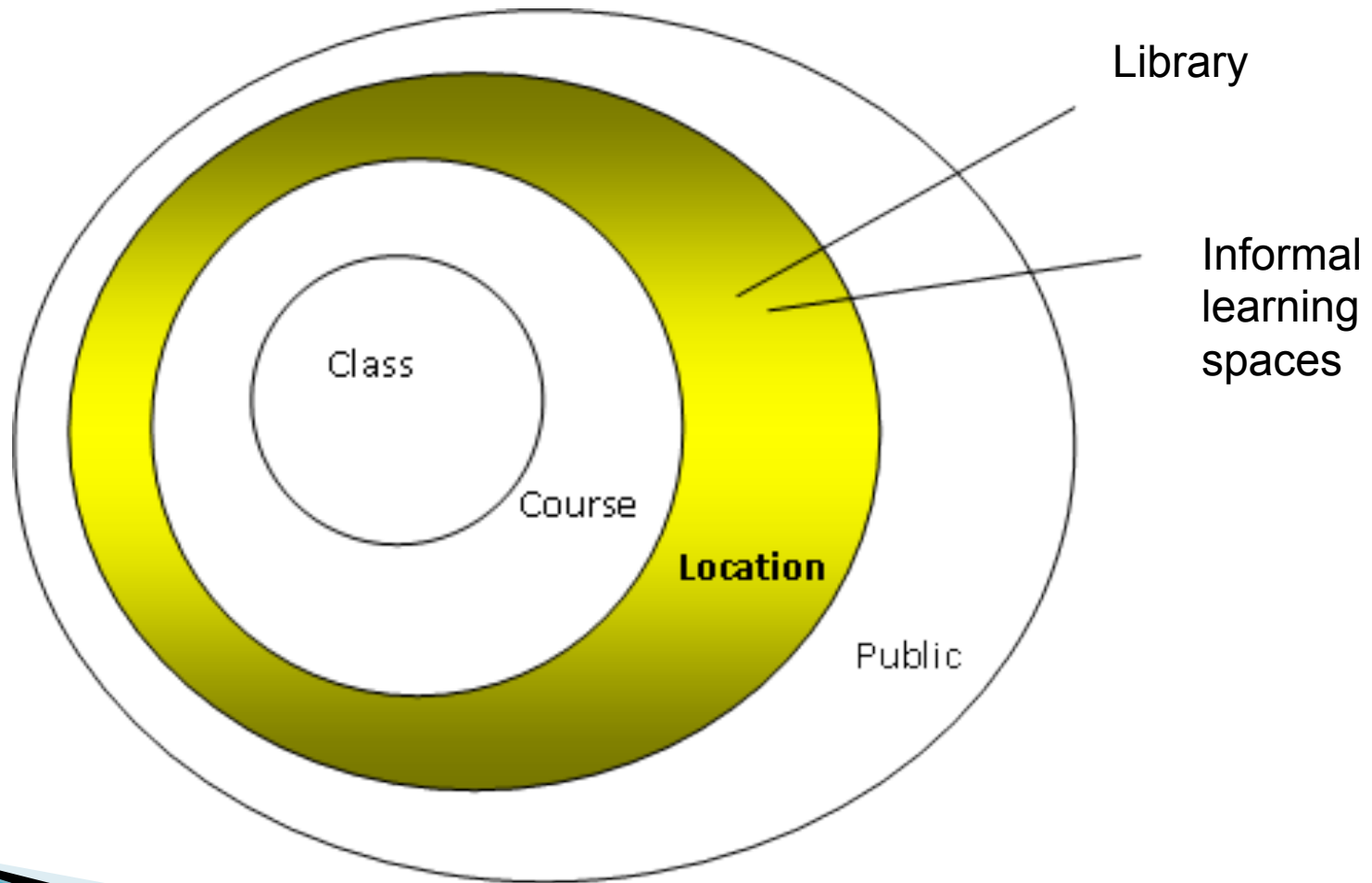


Echo 360



- The Service
  - Recording Location
  - The Lecture Recording System Workflow
  - Personal Capture
- What a teacher can do?
- What teachers are saying...
- Request for Lecture Recording Service
- Contact us

# Incidental learning



# Library: stat (2011)

- ▶ Lib computer vs. personal computer/ mobile

	<i><b>Total</b></i>
Prefer to use their own computers	159 (37.8%)
Prefer to use libraries' computers	222 (52.7%)
Don't have preference	40 (9.5%)
<b>Overall</b>	<b>421</b>



# Most important features

<i>Top reasons for preferring to use libraries' computers</i>	<i>Total</i>	<i>Top reasons for preferring to use their own computers</i>	<i>Total</i>
Convenient	149 (65.9%)	Having software, files, or documents in their own notebook	76 (42.2%)
Need network printing	19 (8.4%)	Convenient	45 (25.0%)
Does not have a notebook	14 (6.2%)	Higher quality of their own notebook	23 (12.8%)

# Informal learning space



Figure 1: Study Table Area



Figure 2: Sofa Area



Figure 3: Outdoor Area



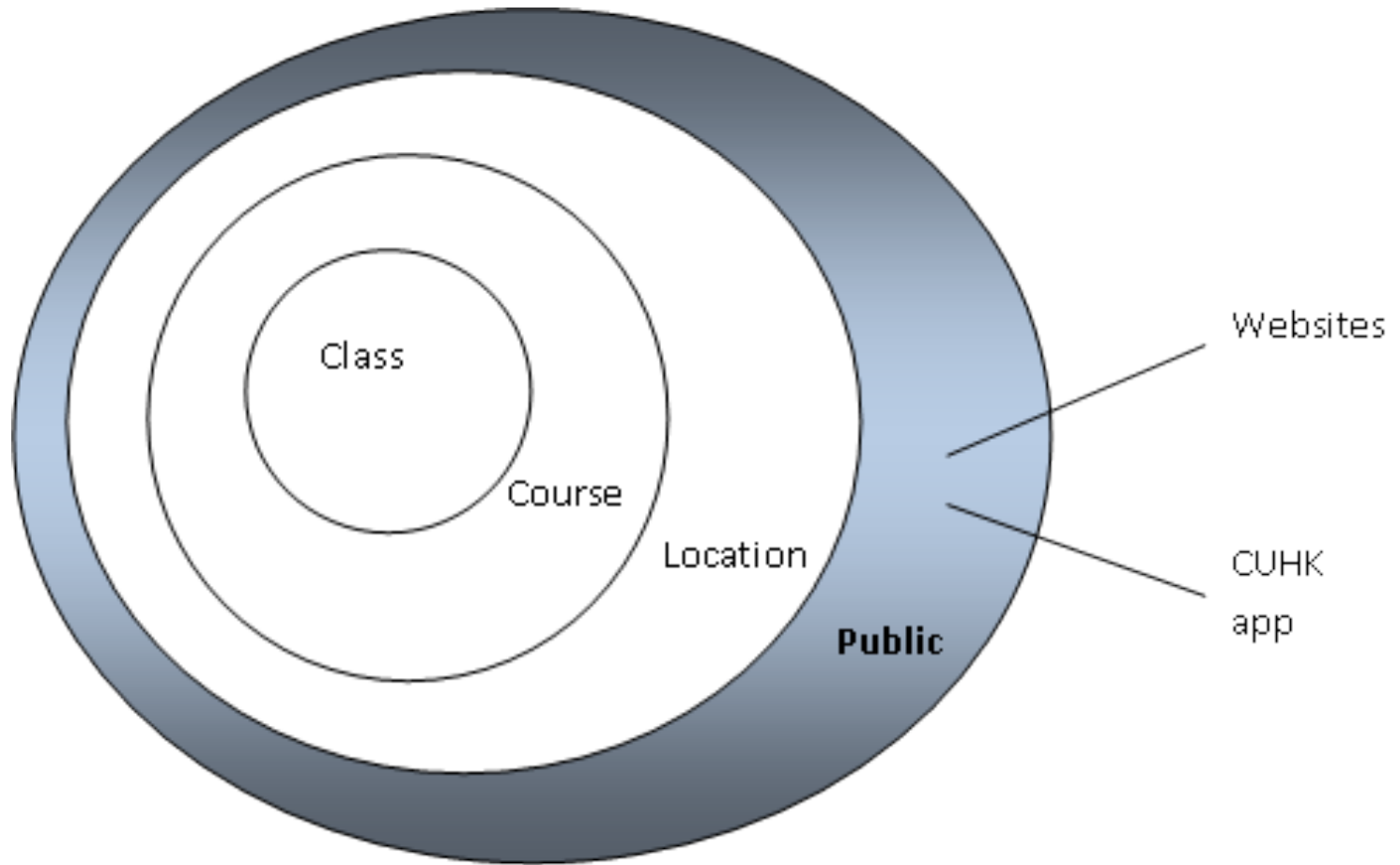
Figure 4: Overview of indoor study area  
in ISALSK

# Data (2010)

- ▶ What do they do?

	<i>No. of users</i>
Students using computers	110 (29.0%)
Students not using computers	269 (71.0%)
Computer users who were using sockets	34
Percentage of computer users using sockets	34.9%
Total	379

# Various levels of considerations



# Mobile-ready websites

## ► Consultation

uReply



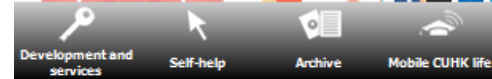
uDraw



uPodium



eBook service



Mobile Learning@CUHK

If you are interested in using mobile technology as a teaching and learning tool, we have some strategies to offer and our team members are delighted to support you in using them.

Development and services

Self-help

Archive

Mobile CUHK life

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uReply



uDraw



uPodium



eBook service



Lecture recording



Contact us

# CUHK Mobile

Consultation





– Thank you –

# Contacts

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