Rich analytics for the “flipped classroom”

Alan Dix
University of Birmingham and Talis

http://alandix.com/
online HCI course ran early 2013 to gain experience with ‘MOOCs’ and reusable materials

Human–Computer Interaction
HCI course – content

talk-over slides video
+ additional resources
HCI course – experience

low-quality video
is still a lot of work

attrition:
1000s of interest
100+ formal sign up
2 completed
HCI course – legacy

loads of videos

course now hosted at OER site interaction-design.org
... and to recover ...
Alan Walks Wales

one thousand miles of poetry, technology and community

1058 miles (1700km)
3 million footfalls
3 ½ months
April-July 2013

focus on IT at the margins
university T+L

reading list
digital content
universal player
micro-analytics ...
individual course,
student, resource
... so ...

wanted to:

reuse materials

try out Talis player for myself
Autumn 2014 course

mix of UG3 & MSc

portion of course

mixing video with face-to-face
different mixes

basics + integration
  preparatory videos on ‘basics’ followed by integrative lecture (chalk & talk!)

fully flipped
  videos followed by discoursive F2F

part & part
  all material on video, some also taught in class
  N.B. noticable attendance fall-off when told in advance!
analytics – who read/viewed what

typically about 1/3 watch everything, 1/3 some, 1/3 none at all!

used stats to ‘encourage’ students in class

N.B. did not look at individual student analytics

students did not seem phased by this level of analytics
analytics – how much

journal paper PDF
recommended reading

most students just
read beginning

in class explained
structure of paper

Physigrams: Modelling Devic Interaction

Alan Dix1, Masitah Ghazali2, Steve Gi
1Computing Department, InfoLab21, Lancaster Univ
2Information Systems Department, Universiti Putra Malaysia
3Cardiff School of Art & Design, UWE, Cardiff, Wales

Abstract. This paper explores the formal sq from their digital effects. By doing this we and the way this can be exploited to improve features. We use modified state transition net and links to parallel diagrams of the dig physical interaction exposed by previous work of the diagrams. As well as being an analytic product designers used and adapted them as:

Keywords: physicality, interaction modellin design, physigrams.
and next...

see what happens at exam time ;‐)