

# Approaches to the development and delivery of educational content: reflections on recent work at the London School of Economics (LSE)

Steve Ryan

Director, Centre for Learning Technology  
London School of Economics

# An overview

This presentation will focus on recent work at the LSE, particularly in relation to:

- Supporting teachers in the use of ICT
- Changing student expectations
- Two approaches:
  - Through the use of a VLE
  - Lecture Capture

# The LSE

- 8500 students
- 43% undergraduate
- 39% taught postgraduate
- 11% Research students
- Also several hundred general course students
- Majority of students from outside the UK
- A very strong research culture (15 Nobel prizewinners)
- The Centre for Learning Technology ([CLT](#))



## Staff details

### Steve Ryan

Director  
020-7955-6008  
[clt-enquiries@lse.ac.uk](mailto:clt-enquiries@lse.ac.uk)



Steve Ryan, Centre Director, should be contacted for all initial enquiries about using technology in your teaching, workshops and staff development activities. Steve administers the funding for technology projects and can advise staff putting together applications for support. Steve is currently Chair of the Association for Learning Technology (ALT).

### Steve Bond

Learning Technologist  
020-7107-5117  
[clt-support@lse.ac.uk](mailto:clt-support@lse.ac.uk)



Steve Bond is a learning technologist specialising in the development of educational software in Flash and PHP, and works with academic staff to implement the software into teaching. Recently he worked on [DART](#), a JISC-funded project to develop new ways of teaching anthropology.

### Athina Chatzigavriil

Learning Technologist  
020-7852-3763  
[clt-support@lse.ac.uk](mailto:clt-support@lse.ac.uk)



Athina

Chatzigavriil is a learning technology specialist, who can advise you on both pedagogic and technical issues when putting your course online. She offers one-to-one training and support in a range of different technologies.

### Chris Fryer

Systems Manager  
020-7955-6314  
[c.j.fryer@lse.ac.uk](mailto:c.j.fryer@lse.ac.uk)



Chris Fryer is the CLT Systems Manager. He administers the [Moodle](#) and [EchoSystem](#) servers, and develops web applications such as the [Training portal](#) and associated [booking systems](#). He also manages ancilliary servers for [LSE IT Services](#).

### Sarah Leach

Learning Technologist (media)  
020-7955-7001  
[clt-support@lse.ac.uk](mailto:clt-support@lse.ac.uk)



Sarah Leach is a Learning Technologist with a special interest in media. Sarah provides advice and support for staff who are interested in using media in their teaching, from finding quality resources to creating their own content. Sarah can help facilitate and film video projects as well as train staff wanting to film interviews and other fieldwork.

### Matt Lingard

Learning Technologist  
020-7955-6219  
[clt-support@lse.ac.uk](mailto:clt-support@lse.ac.uk)



Matt Lingard is a learning

technology specialist, who can advise you on both pedagogic and technical issues when putting your course online. He offers one-to-one training and support in a range of different technologies. Matt's personal blog: [Reluctant Technologist](#)

### Kris Roger

Learning Technologist  
020-7955-7833  
[clt-support@lse.ac.uk](mailto:clt-support@lse.ac.uk)



Kris Roger is a learning technology specialist, who can advise you on both pedagogic and technical issues when putting your course online. He offers one-to-one training and support in a

### Jane Secker

Learning Technology Librarian  
020-7955-6530  
[clt-support@lse.ac.uk](mailto:clt-support@lse.ac.uk)



Jane Secker is the learning technology librarian who can advise on any aspect of using library resources within the virtual learning environment, including full text readings and linking to electronic journals. She coordinates

# The E-learning context

The impact of technology and student expectations



## A quotation from the Higher Education Funding Council's E-learning Strategy

.. “The internet and use of new technologies are changing the total operation of Higher Education. Learning and teaching are changing as we explore the possibilities presented by new technologies...But these technologies are also bringing about new approaches in research, libraries and resources, and administration.

“These new approaches, such as e-learning and workplace learning, may be blended with each other, with campus-based learning and/or distance learning, ... A major focus of our strategic plan is innovation in approaches to learning and teaching, and enhancement of the quality of the learning experience.”

## Changing Student perspectives- some quotes from a recent study

“They have simply grown up with more advanced technology than preceding generations, particularly in the field of communications. This is interwoven into their lives. They expect it to be just as present in their School life as it is at home, and thus assume it will also be present at university.”

“(Technologies) –are seen as the norm, and have been totally assimilated into their understanding of the learning environment. These technologies are part of the fabric of their lives. ”

“It should be emphasised that respondents do not want technology to dominate, rather they see:  
Personal, face to face interaction as the backbone of their learning.” (JISC, 2007)



# An issue for the LSE

How do we combine the best elements of teaching and learning within a relatively small campus-based institution with the benefits that can be obtained through the appropriate use of e-learning?



# Our response

- Using technologies for learning and teaching that build on the strengths and distinctive character of the School
- Encouraging the recognition that these technologies can enhance teaching and the learning experience



## Supporting teachers

- Staff development workshops and formal programmes
- Support and assistance in using technologies
- Developing support tools – the Learning Design Support Environment (LDSE)

# The LDSE What the project is aiming to achieve

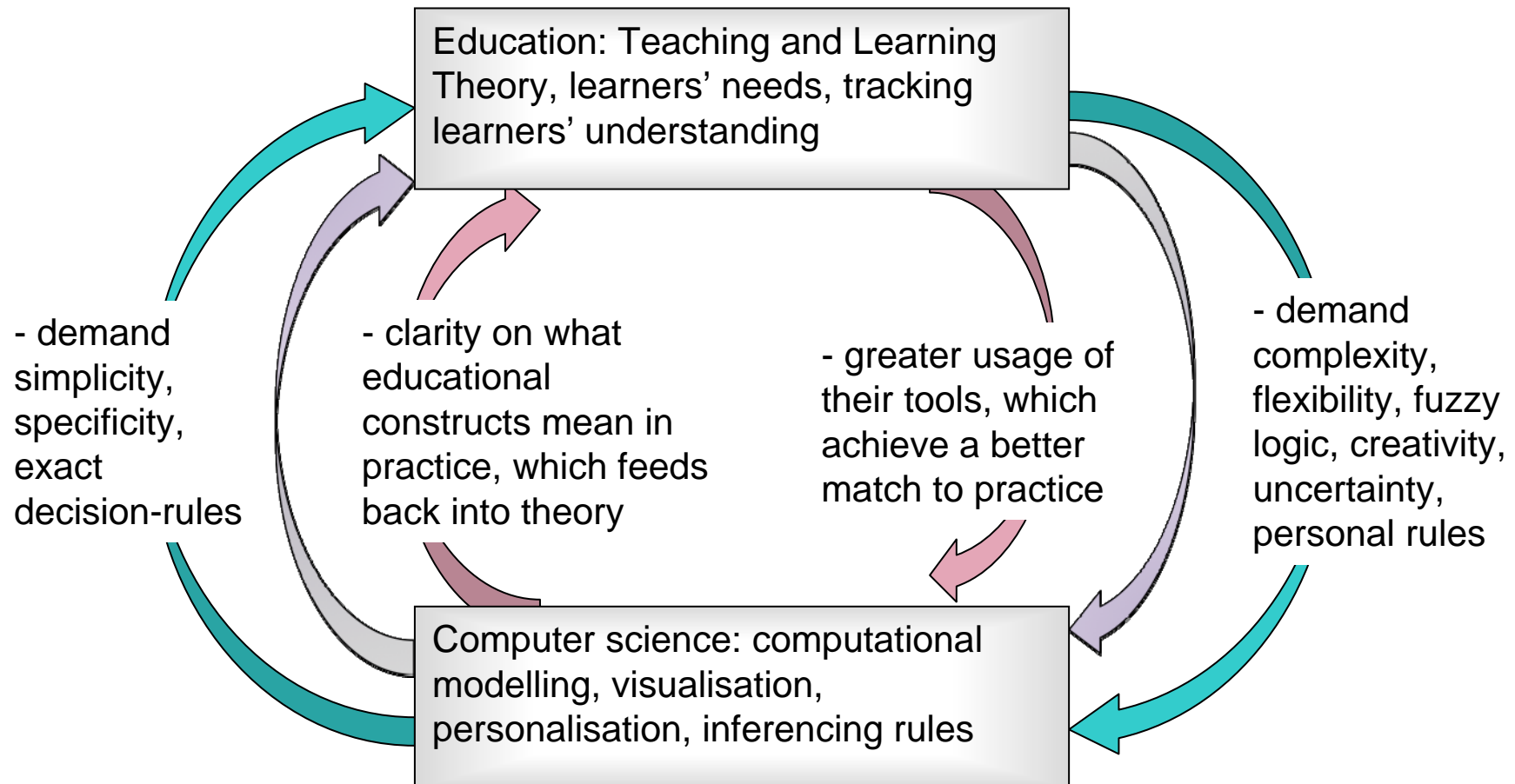
To exploit the potential of digital technologies for teaching, we need a tool to foster adaptive, collaborative learning among academics to *learn about teaching with technology*.

The LDSE is attempting to

- put *teachers at the centre* of pedagogical and technological innovation
- support teachers in *developing and sharing* new pedagogical strategies
- help shift teaching towards being a '*science of learning design*'
- foster an *interdisciplinary dialogue* that will help to develop learning theory



# Interdisciplinary research



## LDSE project aims

- Research the optimal model for an effective learning design support environment (LDSE)
- Achieve an impact of the LDSE on teachers' practice in designing technology enhanced learning (TEL)
- Identify the factors that are conducive to collaboration among teachers in designing TEL
- Embed knowledge of teaching and learning in the learning design software architecture
- Improve representations of the theory and practice of learning design with TEL



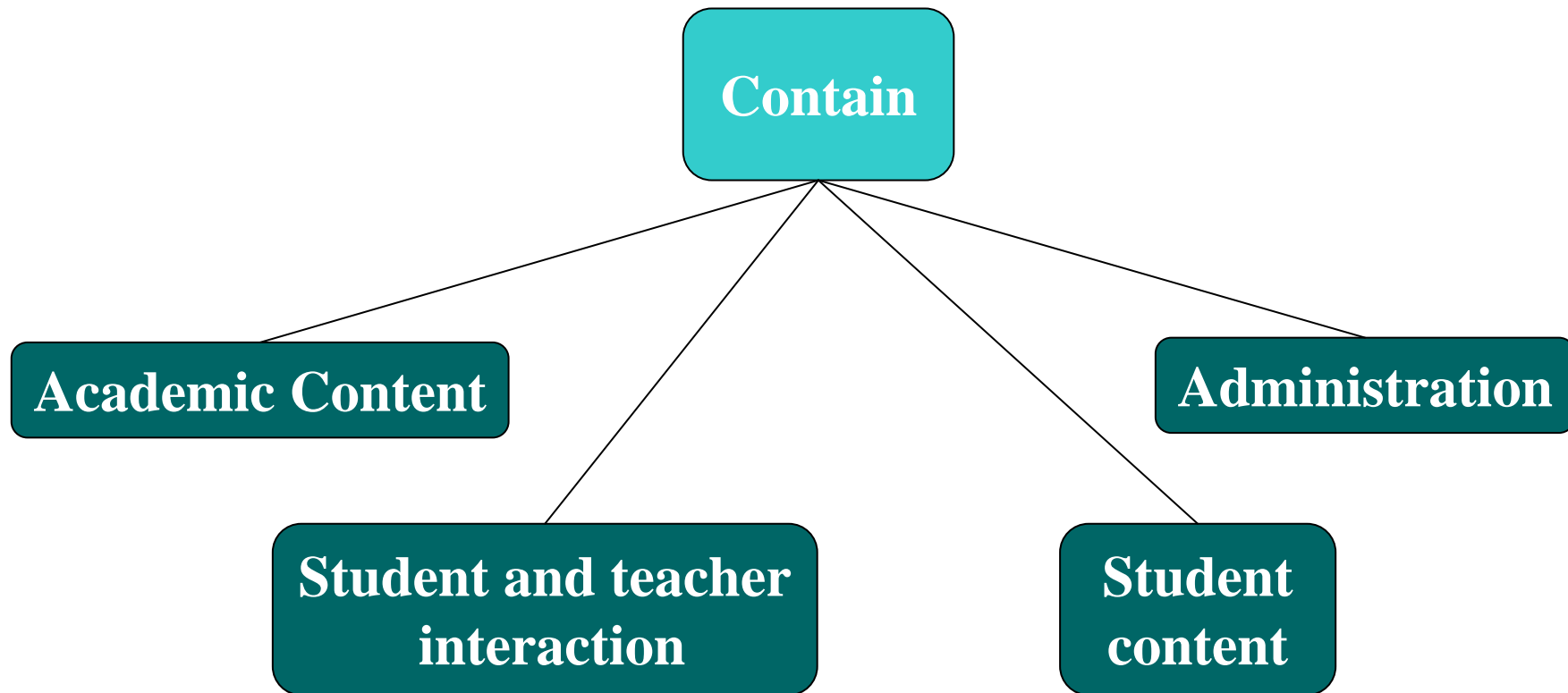
# Supporting Students

- Virtual Learning Environments
- Lecture Capture

## Moodle

- A virtual learning Environment
- Used widely across the School (800 courses)
- Open Source, customisable – so we can make it even better
- Links to all sorts of other useful educational resources

# Virtual Learning Environments



# Moodle Homepage

**LSE Moodle**
You are logged in as **Athina Tutor Cahtzigavriil (Logout)**English (en)

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**Search courses**

## Welcome to LSE Moodle

Moodle is hosted & supported by the LSE Centre for Learning Technology

**Courses using Moodle are listed by department**

[LSE Home](#) | [LSE for You](#) | [Library](#)

Support for <b>Students</b>	Support for <b>Staff</b>
<ul style="list-style-type: none"> <li><a href="#">Report problems</a></li> <li><a href="#">How to login and enrol</a></li> <li><a href="#">Further help for students</a></li> <li><a href="#">Student tutorials at Moodle.org</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">How to login and enrol</a></li> <li><a href="#">Further help for staff</a></li> <li><a href="#">Teacher documentation at Moodle.org</a></li> </ul>
<ul style="list-style-type: none"> <li><a href="#">Training portal for students</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Training portal for staff</a></li> <li><a href="#">Moodle Training: book a place</a></li> <li><a href="#">Contact Moodle Support</a></li> </ul>

**Note:** Not all lecturers choose to make use of Moodle. Your lecturer / department can advise if Moodle is being used, and when a specific course will be made available to students.

[Reading list templates](#)

**Photos from LSE Perspectives**

*Reflections by Paul Gieger*  
[More photos...](#)

**Calendar**

June 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

### Site news

**National Student Survey 2009**  
by [Chris Fryer](#) - Monday, 23 March 2009, 10:43 AM

Third year undergraduates: take part in the [National Student Survey 2009](#)

[Subscribe to this forum](#)

**Student Training at LSE**

[Endnote Manage your references: 3 Jun 3.00pm](#)

[Endnote Manage your references:](#)

**Course categories**

- [Accounting](#)
- [Anthropology](#)
- [Careers](#)
- [Centre for Learning Technology](#)
- [Development Studies](#)
- [Economic History](#)
- [Economics](#)
- [Employment Relations and Organisational Behaviour](#)
- [European Institute](#)
- [Executive Education](#)
- [Finance](#)
- [Gender Institute](#)
- [Geography and Environment](#)
- [Government](#)
- [International History](#)
- [International Relations](#)
- [Information Systems](#)
- [Language Centre](#)
- [Law](#)
- [Library](#)
- [Management](#)
- [Managerial Economics & Strategy Group](#)
- [Mathematics](#)

# Course Homepage

LSE **EU434 - The Political Economy of Southeast Europe**
You are logged in as **Athina Chatzigeorgi**: Student ([Return to my normal role](#))

Moodle ► EU434
Return to my normal role
Turn editing on

**People**

- Participants

**Activities**

- Forums
- Resources

**Search Forums**

[Advanced search](#)

**Administration**

- Grades
- Profile

**Course categories**

- Accounting
- Anthropology
- Careers
- Centre for Learning Technology
- Development Studies
- Economic History
- Economics
- Employment Relations and Organisational Behaviour
- European Institute
- Executive Education
- Finance
- Gender Institute

## EU434 - The Political Economy of Southeast Europe

**Library resources**

- [Data Library](#)
- [Journal Reading Room](#)

**Basic tools**

- [News forum](#)

**Course Resources**

Current

- [Course handout](#)
- [Course summary](#)
- [Reading list](#)
- [Bibliography](#)
- [Lecture topics](#)
- [Seminar topics](#)
- [Online resources on SEE](#)

Past

- [Mock exam paper 2005-06](#)
- [Mock exam 2005/06 answer hints](#)
- [Past exam paper 2005-06](#)
- [Mock exam paper 2006-07](#)
- [Essay questions 2006-07](#)
- [Past Exam Paper 2007-2008](#)

**Thematic Discussion Forums**

- [SEMINARS DISCUSSION FORUM](#)
- [FORUM FOR DEBATES](#)

**Library Resources**

[Library](#)

Search Library catalogue:

**Electronic Resources**

[Search E-Journals](#)

[Subject guides](#) | [Exam papers](#)

[Training](#) | [Library Companion](#)

[Contact the Library](#) | [Passwords](#)

**Latest News**

21 Nov, 11:34

Vassilis Monastiriotis

New "Debates" forum now launched!!! [more ...](#)

[Older topics ...](#)

**Upcoming Events**

There are no upcoming events

[Go to calendar...](#)

[New Event...](#)















**Calendar**

◀ June 2009 ▶

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6



# Interaction: EU452 forums

Discussion	Started by	Group	Replies	Last post
Revision classes ;-)	 Abigail Innes	Group 3	0	Abigail Innes Mon, 27 Apr 2009, 02:54 PM
groups	 Elena Oleinic	Group 5	1	Kostyantyn Shestakovskyy Mon, 23 Mar 2009, 09:13 PM
Presentation 20a	 Michele Gibson	Group 4	0	Michele Gibson Wed, 18 Mar 2009, 03:14 PM
Presentation 20a)	 Cristina Daria Buzasu	Group 3	0	Cristina Daria Buzasu Tue, 17 Mar 2009, 09:56 PM
Friedrich_Presentation 20b	 Alex Friedrich	Group 3	0	Alex Friedrich Tue, 17 Mar 2009, 08:45 PM
Presentation 20b	 Guillaume Carreno	Group 4	0	Guillaume Carreno Tue, 17 Mar 2009, 02:44 PM
Presentation 20b	 Filipe De-Albuquerque	Group 1	0	Filipe De-Albuquerque Tue, 17 Mar 2009, 02:23 PM
presentation 20a	 Matthew Berger	Group 1	0	Matthew Berger Tue, 17 Mar 2009, 02:03 PM
presentation 20B	 Danai Vasilaki	Group 2	0	Danai Vasilaki Tue, 17 Mar 2009, 12:22 PM
Presentation 20b	 Alice Radzyner	Group 1	0	Alice Radzyner Tue, 17 Mar 2009, 11:50 AM
Question 20a	 Sebastian Schulze	Group 2	0	Sebastian Schulze Tue, 17 Mar 2009, 10:32 AM
question 20a	 vanesa Aguilar	Group 5	0	vanesa Aguilar Mon, 16 Mar 2009, 11:43 AM
Presentation 19b	 Winston Beck	Group 1	0	Winston Beck Fri, 13 Mar 2009, 05:48 PM
presentation 19a	 Sesselia Amadottir	Group 3	0	Sesselia Amadottir Tue, 10 Mar 2009, 11:22 PM
EU452 Presentation 19a	 Dafni Vlastari	Group 1	0	Dafni Vlastari Tue, 10 Mar 2009, 02:35 PM



# Administration: assignment/feedback

**LSE** DV400 - Development: Theory, History and Policy

Jump to...

Old Moodle ► DV400 ► Assignments ► Lent Term Assessed Essay ► Submissions

Update this Assignment







First name : All ABCDEFGHIJKLMNOPQRSTUVWXYZ

Surname : All ABCDEFGHIJKLMNOPQRSTUVWXYZ

<input type="checkbox"/>	First name / Surname <input type="checkbox"/>	Grade <input type="checkbox"/>	Comment <input type="checkbox"/>	Last modified (Student) <input type="checkbox"/>	Last modified (Teacher) <input type="checkbox"/>	Status <input type="checkbox"/>
	<del>XXXXXXXXXX</del>	-				Grade
	<del>XXXXXXXXXX</del>	Merit		<a href="#">52189DV4002008.doc</a> Thursday, 13 March 2008, 09:45 PM	Wednesday, 4 June 2008, 03:18 PM	Update
	<del>XXXXXXXXXX</del>	Merit	I think ...	<a href="#">55619DV4002008.doc</a> Tuesday, 29 January 2008, 04:48 PM	Wednesday, 4 June 2008, 03:19 PM	Update
	<del>XXXXXXXXXX</del>	-		<a href="#">Week_18_Essay-_Aid-_Eugenia_Afonso.doc</a> Friday, 14 March 2008, 02:08 PM		Grade
	<del>XXXXXXXXXX</del>	-		<a href="#">56788DV4002008_LT_essay.doc</a> Friday, 22 February 2008, 04:54 PM		Grade
	<del>XXXXXXXXXX</del>	Pass		<a href="#">55654DV4002008.doc</a> Tuesday, 5 February 2008, 12:15 AM	Wednesday, 4 June 2008, 03:20 PM	Update
	<del>XXXXXXXXXX</del>	-				Grade
	<del>XXXXXXXXXX</del>	Merit	The paper ...	<a href="#">docm.gif industrial_policy_essay_edited.docm</a> Wednesday, 13 February 2008, 07:55 PM	Wednesday, 4 June 2008, 03:21 PM	Update
	<del>XXXXXXXXXX</del>	Merit		<a href="#">DV400week_16_final.doc</a> Friday, 7 March 2008, 02:36 PM	Wednesday, 4 June 2008, 03:21 PM	Update
	<del>XXXXXXXXXX</del>	-				Grade
	<del>XXXXXXXXXX</del>	-		<a href="#">50747DV4002008.doc</a> Monday, 28 January 2008, 11:39 PM		Grade
	<del>XXXXXXXXXX</del>	Distinction		<a href="#">54800DV4002008.doc</a> Friday, 7 March 2008, 02:39 AM	Wednesday, 4 June 2008, 03:21 PM	Update
	<del>XXXXXXXXXX</del>	Merit		<a href="#">54170DV4002008.doc</a> Monday, 4 February 2008, 02:16 PM	Wednesday, 4 June 2008, 03:21 PM	Update

# Creation: “alternative syllabus”

B

	<b>Before the Rain</b> by <a href="#">Emanuele Scansani</a> - Friday, 6 February 2009, 01:04 PM Before the Rain - Milcho Manchevski (movie about ethnic tensions in Macedonia - FYROM - during the Bosnian War)	
	<b>Beslan</b> by <a href="#">Tuuli Hongisto</a> - Wednesday, 11 March 2009, 02:29 AM <a href="http://www.moviesfoundonline.com/beslan.php">http://www.moviesfoundonline.com/beslan.php</a> Beslan school siege documentary by Channel4  Keyword(s): <input type="text" value="Beslan, Chechnya, Russia"/>	
	<b>Bosnia aftermath</b> by <a href="#">Tuuli Hongisto</a> - Wednesday, 11 March 2009, 02:16 AM An interesting project, including photography and recommended books, I thought those interested in Bosnia might like it <a href="http://www.bosniaaftermath.com/">http://www.bosniaaftermath.com/</a>  Keyword(s): <input type="text" value="Bosnia"/>	

# Student content: collaborative writing

View Edit Links History

## Buenos Aires

[¿Ha cambiado el papel de la familia y la idea de familia?](#)


Según Alberto, el papel de la familia en la Argentina ha cambiado. Anteriormente la familia característica de la Argentina está experimentando una tasa de fecundidad que ha bajado. Últimamente la gente decide a formar un núcleo familiar con menos hijos. (98 palabras)

[¿Cuál es el papel de la iglesia católica en la Argentina?](#)

En el pasado, la iglesia católica siempre ha tenido un papel importante. Gradualmente. Con cada nueva generación...

### History for: 'Buenos Aires'

**Version:** 30 ([Browse](#) [Fetch-back](#) [Diff](#))


**Author:**  [Sarah Llanwarne](#)

**Created:** Tuesday, 30 October 2007, 04:22 PM

**Last modification:** Thursday, 11 December 2008, 03:54 PM

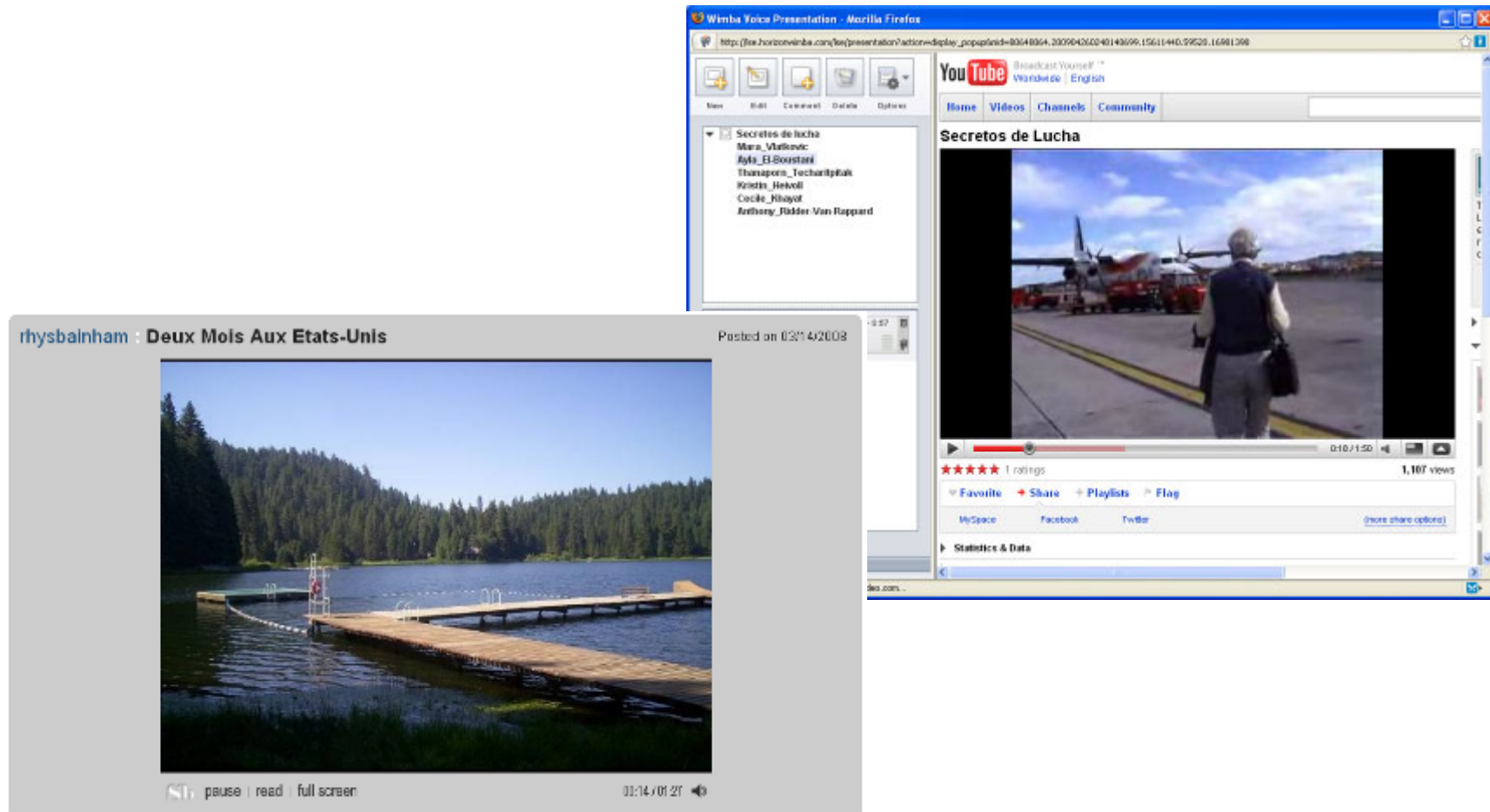
**References:** ?

**Version:** 29 ([Browse](#) [Fetch-back](#) [Diff](#))

**Author:**  [Christina Ivanova](#)

**Created:** Tuesday, 30 October 2007, 04:22 PM

# Student content: digital story telling



<http://www.showbeyond.com>

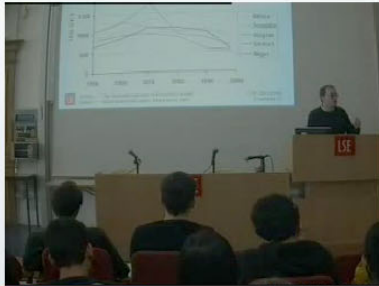


# Lecture Capture

## What do we mean by lecture capture?

- The recording of lectures as they take place and making them available online
- The audio (and possibly video) and whatever is coming from the data projector (from a computer or Visualiser)
- The student can control and navigate their way through the presentation





Playing 00:21:50 / 01:00:01

Scenes Info Help

19. 00:21:35  
**GDP per head 1950-2000**

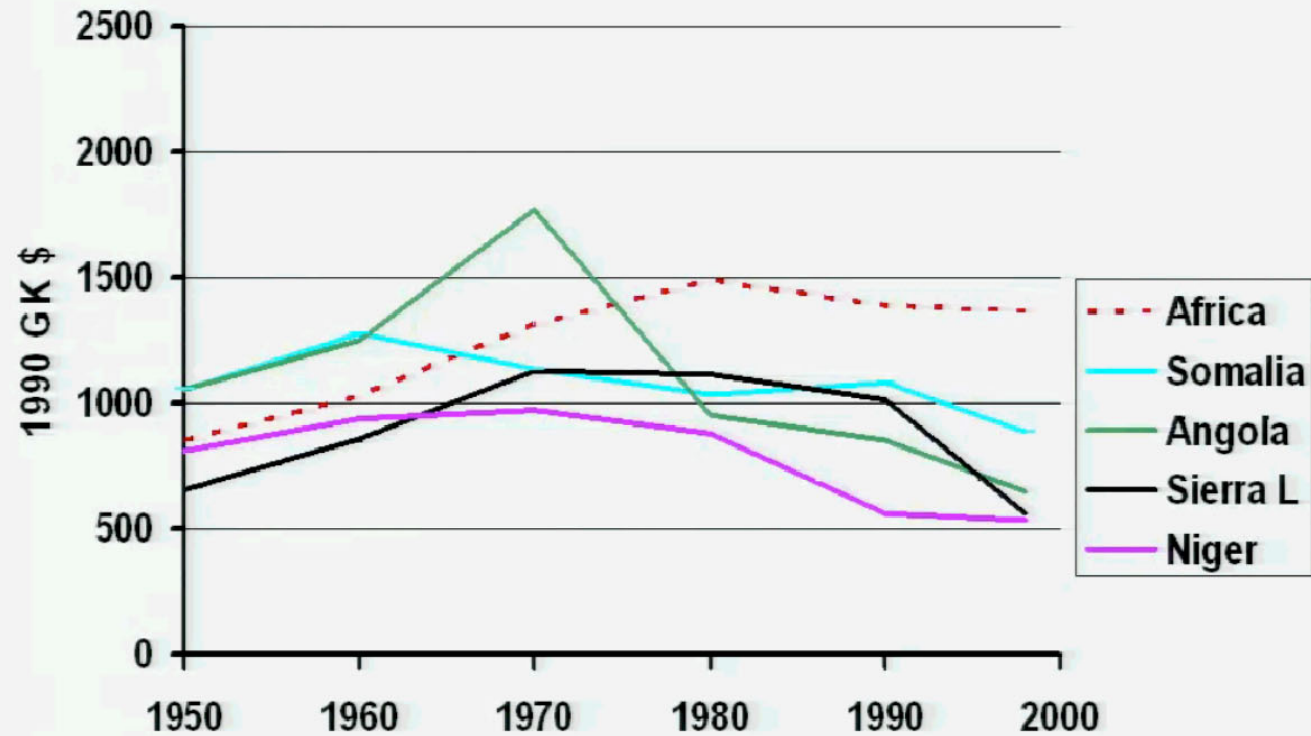
20. 00:22:35  
**The question**  
 • In the post-1950 world we have seen area after area develop rapidly – western Europe, Japan, East Asia, now China, India and South East Asia

21. 00:23:35  
**Opportunities**  
 • In theory Africa has more potential to catch up its neighbours, because it starts from further behind

22. 00:24:35  
**Answers**  
 • Africa is unlucky in its endowments  
 • Africa has poor social capital

23. 00:27:05

# GDP per head 1950-2000



**LSE** EH101: The Internationalisation of Economic Growth  
 Week 17: Nasty brutish but longer: Africa since 1945

© Dr Tim Leunig  
 Overhead 22

## Student evaluation

- They find it very useful (particularly for quantitative areas)
- Can review the lecture at their own pace
- Can help students whose first language is not English
- Valuable for revision

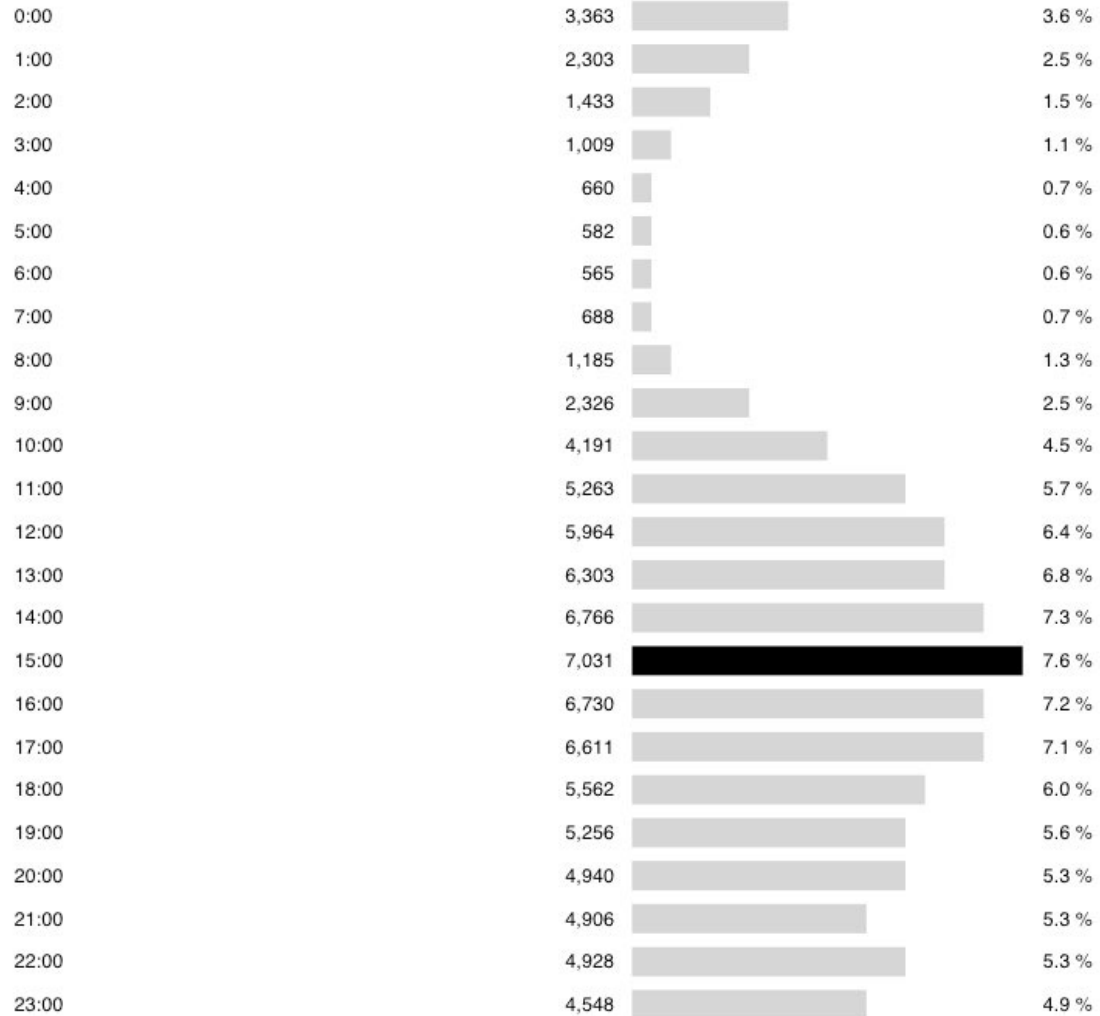
# Student comments

“I found the online recordings extremely useful, they were a tremendous help especially since lecturers usually go over concepts really fast in lectures ... Having the video allows me to pause”

“Incredible resource for recap, revision and retention purposes”

“WITHOUT THE ..EXTRA EXAMPLES RECORDINGS, I WOULD HAVE COMPLETELY FAILED.... SO BRILLIANT IDEA”

Views by Time of Day  
from 2008-09-01 to 2009-01



## Teacher concerns

- The attendance issue
- Reduce spontaneity
- Copyright and IPR
- Recording will be loaded onto the internet

# Thank you: comments and questions

Steve Ryan, Centre for Learning  
Technology  
London School of Economics