

Online Teaching and Learning in Equine Science



Equine Science Online

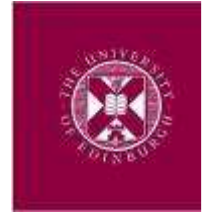


Online education:

- Technology progressed = development of online education
- Distance education (DE) increasing in HE worldwide
- Aim: to reach potential students that are difficult to serve on-campus
- Flexible learning – time and location

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THE ROYAL
(DICK) SCHOOL
OF VETERINARY
STUDIES



MSc/Dip/Cert Equine Science

- Delivered using a blend of online learning methods
- Supported by Edinburgh University's award winning learning environments
- Developed for high calibre students interested in flexible career enhancing education
- Ideal for people wishing to gain a world-class award while maintaining busy professional and personal commitments

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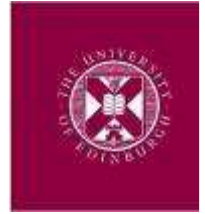
MSc/Dip/Cert Equine Science

Programme structure:

- Delivered part-time over 3 years:
 - Year 1 = certificate year
 - Year 2 = diploma year
 - Year 3 = dissertation year
- The programme has 2 elements:
 - A taught element (years 1 and 2)
 - A dissertation element (year 3)



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E-learning programmes require:

- Planning, Structure and Facilitation
- Interaction and communication, key to engaging students in online learning
- Building a community of learners

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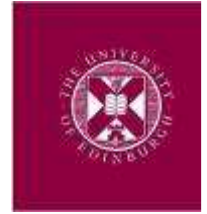


Virtual lectures

- Access
 - time
 - location
- Interaction
 - Asynchronous
 - Synchronous

The screenshot displays a Blackboard Learning System (WebCT) interface within a Windows Internet Explorer browser. The page title is "Equine Reproduction [EQSC11024] (2010-2011 [SV1-SEM2])". The main content area shows a slide titled "Reproduction in the Mare" with a photograph of a brown horse's head. The slide is part of a presentation titled "More Reproductive AP Presentation". The interface includes a navigation menu on the left with "Course Tools" and "Instructor Tools" sections. The "Course Tools" section includes options like "Course Content", "Announcements", "Assessments (11)", "Assignments (14)", "Calendar", "Chat (16)", "Discussions", "Goals (1)", "Learning Modules (11)", "Mail (16)", "Media Library", "Profile", "SCORM (1)", "Syllabus", "Web Links (14)", and "Who's Online". The "Instructor Tools" section includes "Manage Course", "Assessment Manager", "Assignment Dropbox", "Grade book", "Grading Forms", "Group Manager", "Tracking", "Notes", and "Selective Release".

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Asynchronous communication

Blackboard Learning System - Windows Internet Explorer

File Edit View Favorites Tools Help Contribute Edit in Contribute Post to Blog

myWebCT | Accessibility | Help | Log out

WebCT The University of Edinburgh

Build **Teach** Student View

Equine Reproduction [EQSC11024] (2010-2011 [SV1-SEM2])

Your location: [Discussions](#) > [Mare Reproductive A&P Discussion](#)

Mare Reproductive A&P Discussion

Description (click to collapse)

Topic Type: Threaded
Graded: No
Peer Review: No
Posting Restrictions: Allow post and reply
User Identification: User Name

Create Message View Drafts

Expand All Collapse All Display:

<input type="checkbox"/>	Subject	Messages	Author	Date
<input type="checkbox"/>	Nu 'bleed out' (New)	5 (5 Unread)		01 February 2011 13:41
<input type="checkbox"/>	Induction vs synchronisation - is there a difference? (New)	3 (3 Unread)		28 January 2011 10:46
<input type="checkbox"/>	Anoestrous hormonal therapy (New)	5 (5 Unread)		27 January 2011 19:43
<input type="checkbox"/>	Is ovuplant still on the market (New)	6 (6 Unread)		26 January 2011 11:32
<input type="checkbox"/>	Progesterone and prostaglandin F2a (New)	2 (2 Unread)		17 January 2011 21:28
<input type="checkbox"/>	Embryo Transfer (New)	7 (7 Unread)		16 January 2011 19:00
<input type="checkbox"/>	is the tutor here? (New)	4 (4 Unread)	VJK	13 January 2011 13:01
<input type="checkbox"/>	practical management recommendation (New)	20 (20 Unread)		13 January 2011 03:04
<input type="checkbox"/>	Question about corpus luteum (New)			12 January 2011 18:07
<input type="checkbox"/>	What is normal in the mare? (New)	11 (11 Unread)		12 January 2011 17:19

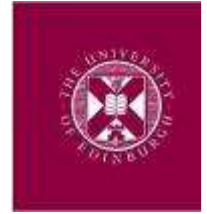
Mark as Read Mark as Unread Create Printable View Delete

Move to: - Select - Copy to: - Select -

Create Message

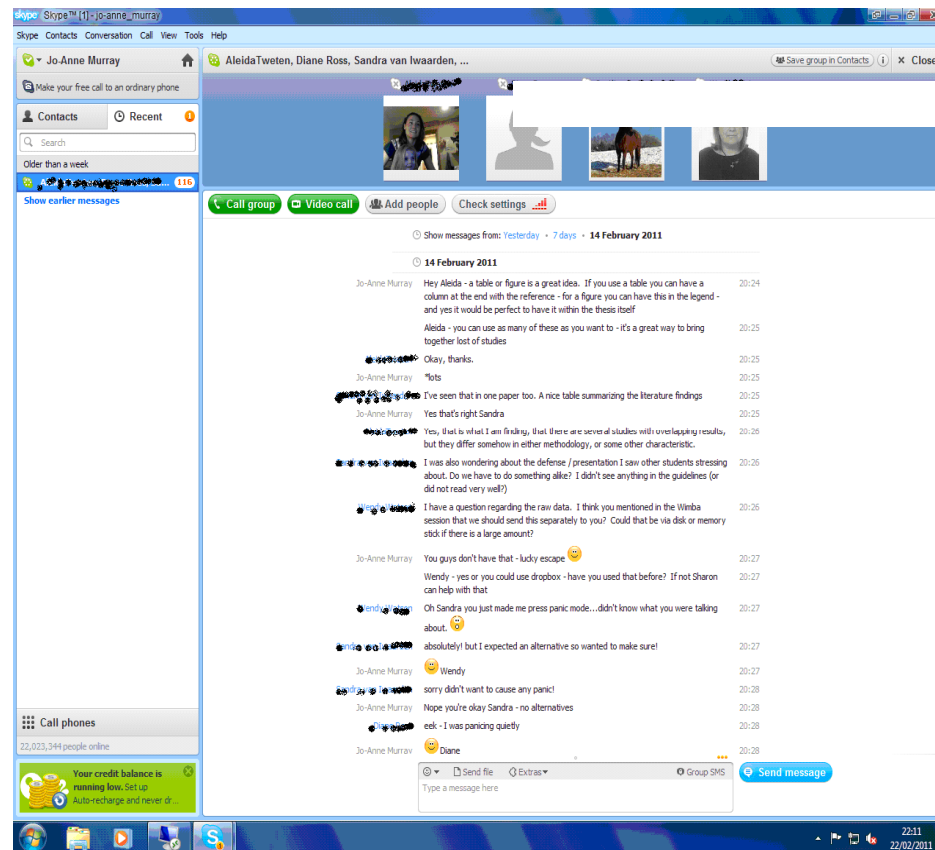
Page: 1 (1-10)

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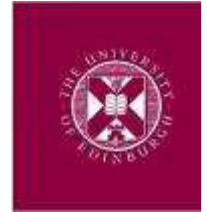


Synchronous communication

- e.g. skype



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Virtual classrooms

- Real-time lectures
- Tutorials
- Students worldwide
- Live & Archive
- Live assessments

The screenshot displays a virtual classroom environment. The main window shows a presentation slide titled 'Information Services' with a sub-heading 'E-books'. The slide content includes a bullet point: 'Finding e-books on the catalogue'. Below this, there is a screenshot of a web browser showing a search results page for 'E-books'. A red circle highlights a search result. To the right of the main window is a video feed of a female instructor wearing a headset. Below the video feed is a timestamp '23:27 / 01:04:51'. On the far right, there is an 'Archive Navigation' panel with a list of topics and their durations, such as 'Introduction', 'Library Services and More', 'Catalogue', 'E-books', and 'E-books'. At the bottom of the screen, there is a chat window with messages and a video player control bar.

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Virtual campus

- Presence
- Sense of community

Easter Bush farm in Second Life



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Live tutorial sessions – tutor led



It appears to be a useful tool for classroom communication.

- Student Survey June 2010

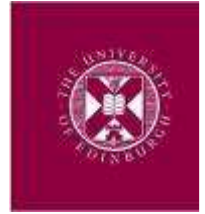
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Live discussions – student led



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- A hub
- Meeting place
- Resource centre
- Online community

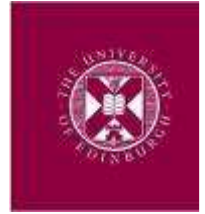


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Conclusion:

- Careful construction
- Quality teaching provision
- Quality interaction
- Community building



= real, advanced learning can be achieved online!



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Thank you for listening

Equine Science: <http://bit.ly/EquineScience>

Facebook: <http://www.facebook.com/EdinburghEquine>

Twitter: <http://twitter.com/eqscied>

Online learning demo: <http://www.link.vet.ed.ac.uk/equinescience/demo.htm>