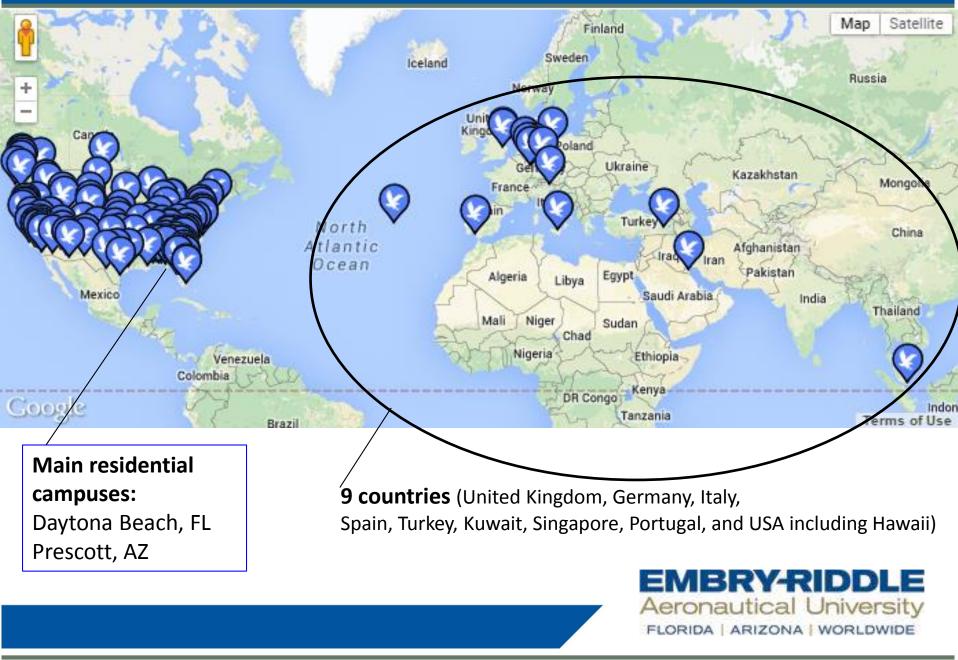
Quality control in the online classrooms - Is zero plagiarism possible with digital students?

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International Conference The Future of EducationSession:E-LearningLocation:Grand Hotel MediterraneoLungarno del Tempio, 44 – Florence – Italy
Room C11:30 - 13:10Date:11 June 2015



Where we are located around the world



For Today's presentation, we will:

- Review how technology is transforming online education
- Present a framework for quality control measures in online courses that leads toward zero plagiarism

 Offer recommendations for adopting best practices in online pedagogy of plagiarism



Over the past few years, universities, colleges, and schools have made a substantial investment into the new learning online management systems aimed at improving the quality of courses with technology innovation tailored toward today's digital student.

How much is being invested into these systems? Over \$40 billion on technology and services in 2014. Expected growth rate of approximately 7% annually for the next five years. Source: Eduventures Inc.



Viewpoints

"Academia has been either slow to adapt to new media or has imposed the same closed system to its digital delivery via course management systems"

Closed System has little interaction with its environment; it receives very little feedback from the outside.



Wankel (2011)

Viewpoints

"Studies have demonstrated that having access to the Internet does not mean that it is being effectively integrated into the curriculum" Mistretta (2005); Ramey & Barton (1997); Williams & Kingham (2003); Zhao, Pugh, Sheldon, & Byers (2002)

"Teaching effectively with the Internet has proven to be a challenging task which requires content knowledge, pedagogical content knowledge, and technical knowledge"

Burniske & Monke (2001); Hughes (2005); Wallace, Kupperman, Krajcik, & Soloway (2000).

 Open System: continually interacts with its environment.



Learning Management Systems (LMS)



Source: Eduventures, Inc.

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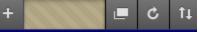
COURSE MANAGEMENT

Control Panel

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- Course Tools
- Evaluation
- Grade Center
- Users and Groups
- Customization
- Packages and Utilities
- Help





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Information for Instructors Z

Example of LMS design and discussion board (Powered by Blackboard)

Start Here	Discussion Board Forums are made up of individual discussion threads that can be organized around a particular subject. Create Forums to organize discussions. <u>More Help</u>					
Announcements	Create Forum	Search	Discover Content	†∔		
Modules	Delete Forum	Description	Total Unread Total Posts Posts Participa	nts		
Discussion Board	Online Office	Use this discussion area for general questions about course procedures and technical issues. I'll try to answer queries within 48 hours. If you are visiting this area and see a question that you think you can answer, feel free to do so. I'll also check and give clarification, as needed.	54 🕕 8			
Project Groups		My Contact Info: +39.380.908.3269 (Italy), Office Location During the March to May 2015 term my home office location is Italy (CEST - Central European Time is 6 hrs ahead of EST). Office Hours For USA based students you can call my USA cell (Florida) number at 407.963.6265 (Eastern Time Zone) and leave a message & phone number, as I will call you back or respond back via email. I check voice messages/emails				
Resources		several times a day. To contact me directly you may call me on my international cell at (011).39.380.908.3269 (note: 011 is the country code if you are calling from anywhere in the USA). My "Office" Hours: I have no set office hours, as you'll find me readily available for you throughout the semester. Contact me to arrange a specific time/day. if needed.				
Hunt Library	Student Lounge	Contact me to anange a specific unnerday, in needed.	11 0 7			
Exams	Student Lounge	numbers, and converse much as you would in a face-to-face setting. You can create new threads, and submit,				
My Grades						
Send Email		Aeronautical Univ				
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Example of LMS with embedded video (**Powered by Canvas**)



Introduction Michael Santonino Mar 14 at 8:07am

27

Please post some introductory information about yourself by adding a new thread in this forum. Who are you? Where do you live? Your work experience? What do you desire to learn from the course? Tell us something interesting about yourself?

You are welcome and encouraged to post a video introduction (the record/upload media icon is just to the left of the font size menu in the reply box).



Michael Santonino Mar 14, 2015





Example of LMS with embedded video (Powered by Canvas)

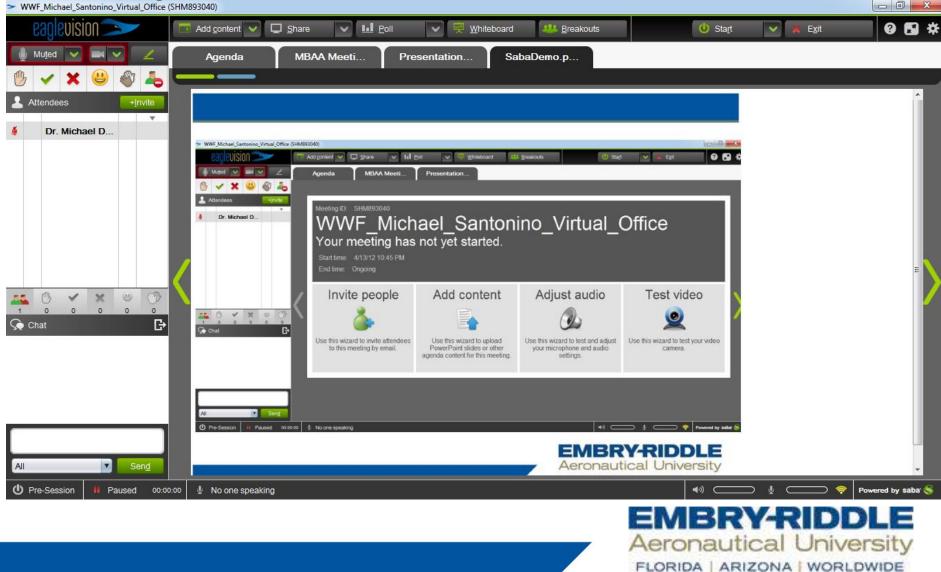
Student 16 of 16 Gradebook Course Home	2.2 Case Study: Analysis 1 (MBAA 633) due: Apr 5 at 11:59pm	◀ Mute Assignment ✓ Settings Help 15 / 16 Graded Avg: 90 / 100 (90%)
△ 1 of 11 🗸	Powered by	well. I hope you enjoy the information I found about them as well. Was very eye opening about this
E STUDY: ANALYSIS 1, CISCO	1	massive company. Apr 4 at 7:32pm
		This is a media comment.
		Michael Santonino, Apr 9 at 3:37pm
2.2 Case Study: Analysis 1, Cisco		Great Job! Please listen to my audio X feedback. Stay Connected,
MBAA 633 Technology Marketing		Dr.Santonino Michael Santonino, Apr 9 at 3:38pm



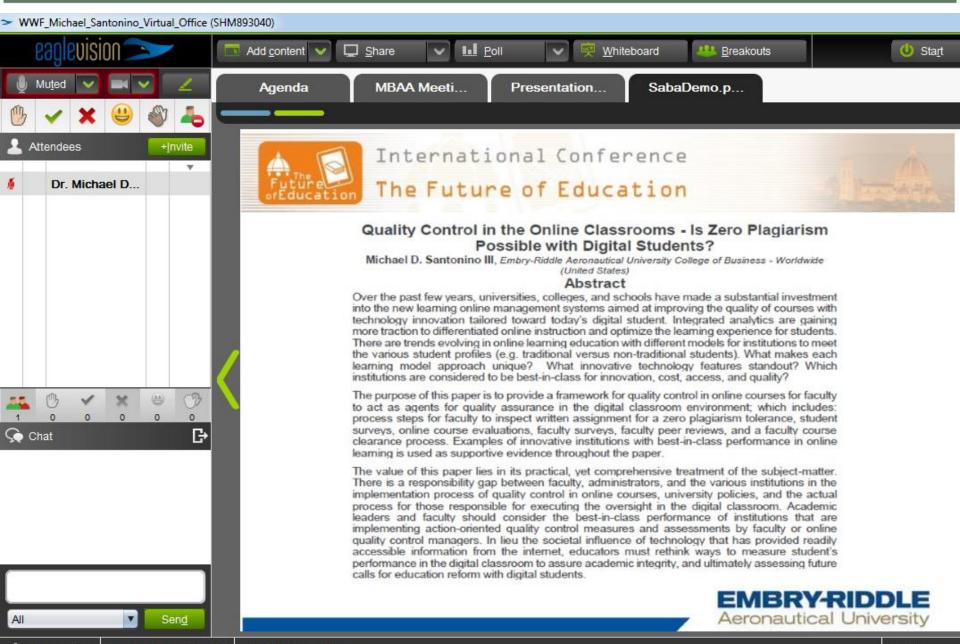
Example of LMS Mobile (Powered by Saba)

LMS Mobile works on a wide range of devices, including Apple[®] iPhone[®], iPod touch[®], iPad[®]; and Google Android[™] devices.





Example of LMS Mobile (Powered by Saba)



Online Program Managers (OPM)



Definition: OPM's are service providers with system expertise to help online degree programs in the design, enrollment growth, and management of the online environments for institutions.

Other Technology Systems



Aligning technology with pedagogy of plagiarism

Use of technology

- Technology lectures and presentations
- Video
- Video Conference Tools
- Lecture Capture
- Screencast
- Enhanced Podcast
- Online Presentation

Best practices for zero plagiarism

Quality controls for common practice

Wankel [2011] found, students are less inclined to value an instructor's unique expertise if the internet can readily deliver the same content information.

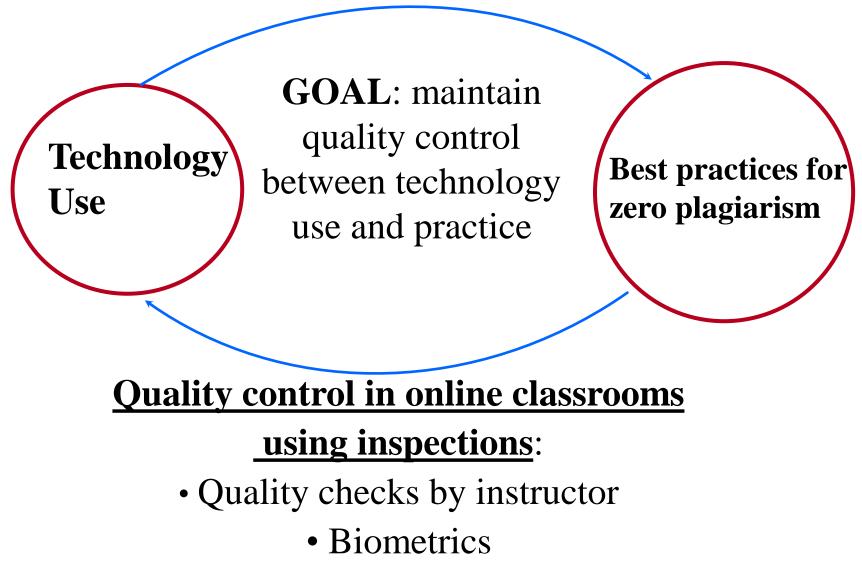
Wankel C., 2011. Educating educators with social media (Cutting-edge technologies in higher education). Emerald Group, UK.

Research showed a common practice among students looking for information on the Internet, which they then copy and paste in its original form (into assignments).

Sànchez, J., A. Salinas, D. Contreras and E. Meyer, 2011, "Does the new digital generation of learners exist? A qualitative study. British Journal of Educational Technology, 42(4):543-556.



The Link Between Technology Use and Practice



• Analytics

Framework for quality control in online courses

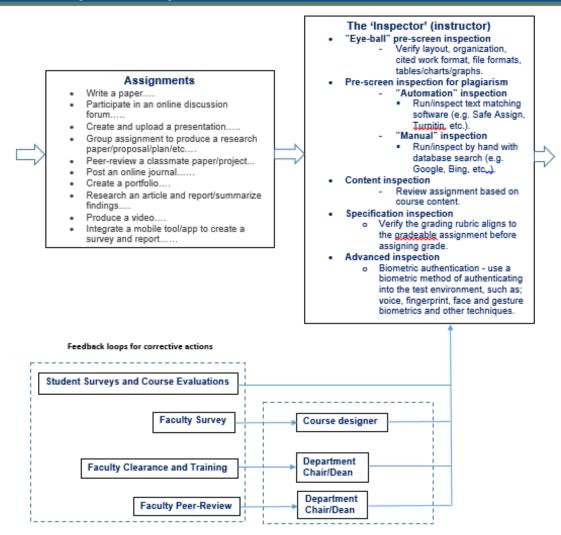


Figure 1.0 Framework for quality control in online courses



Types of assignments

Assignments

- Write a paper....
- Participate in an online discussion forum.....
- Create and upload a presentation.....
- Group assignment to produce a research paper/proposal/plan/etc....
- Peer-review a classmate paper/project...
- Post an online journal......
- Create a portfolio....
- Research an article and report/summarize findings....
- Produce a video....
- Integrate a mobile tool/app to create a survey and report.....



Example of grading rubric

Level of achievement with a video assignment

Criteria for assessment	Description
Quality	Presenter had excellent eye contact to the
(Assessing the creation of video quality)	viewer. Excellent pace of video; able to keep
	viewers attention and interest; introduced self
	and topic of material. Provided an excellent
	summary analysis as well as the ability to
	relate ideas to course material.
Critical Thinking	Presenter created a video that clearly indicates
(Assessing the demonstration of knowledge	that course material were understood and
and comprehension of assigned reading(s) or	concepts incorporated with proper use of
other required sources related to the	sources.
discussion)	
Communications	Dresenter used definitionalterminalegy to
	Presenter used definitions/terminology to
(Assessing Use of terminology and Style of	communicate the ideas/concepts to the viewer.
Communication)	Able to use the appropriate style, such as;
	persuasion, voice inflections, etc.



The "Inspector"

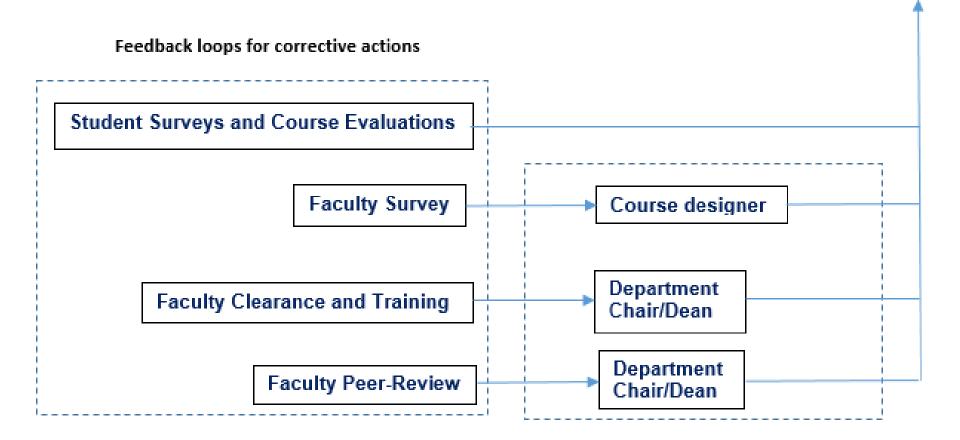


Courtesy of Google Images

The 'Inspector' (instructor)

- "Eye-ball" pre-screen inspection
 - Verify layout, organization, cited work format, file formats, tables/charts/graphs.
- Pre-screen inspection for plagiarism
 - Automation" inspection
 - Run/inspect text matching software (e.g. Safe Assign, Turnitin, etc.).
 - "Manual" inspection
 - Run/inspect by hand with database search (e.g. Google, Bing, etc...).
- Content inspection
 - Review assignment based on course content.
- Specification inspection
 - Verify the grading rubric aligns to the gradeable assignment before assigning grade.
- Advanced inspection
 - Biometric authentication use a biometric method of authenticating into the test environment, such as; voice, fingerprint, face and gesture biometrics and other techniques.

Feedback loop for corrective action





"There is no substitute for positive, authentic, front-line experience with quality online education"

Sibley, K and Whitaker, R. (2015, March 16)

"Educational institutions need to recognize that addressing plagiarism requires a holistic and multi-stakeholder approach which aims to foster a scholarly community based on shared understandings and practices of academic integrity"

Bretag, T. (2013)

Sibley, K and Whitaker, R. (2015, March 16). Engaging Faculty in Online Education. Educausereview. Retrieved March 17, 2015 from http://www.educause.edu/ero/article/engaging-faculty-online-education

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Conclusion/Recommendations

- Institutions must prepare for the technology changes that is transforming the future of education as it will impact how they engage, recruit, enroll, and instruct students at all stages of the lifecycle, from prospect to alumnus.
- ✓ Instructors must lead and act as the "agents of quality control" for real change to occur in online education for zero plagiarism in this digital world.
- ✓ More research is needed to develop best practices on teaching the subject matter with the Internet (multi-media/social network platforms)

Aeronautical University

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