

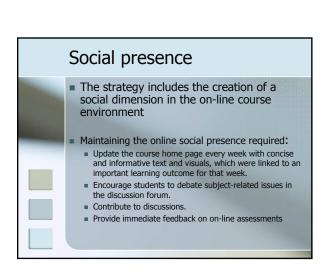
Research problem This paper addresses the following research problem: The increasing need of other learning mediums such as eLearning technologies in large class teaching and assessment to address the need for enhanced student engagement learning and throughput.

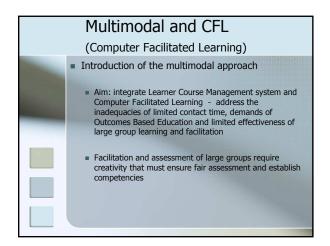
Research background The research reported here concentrates on practical blended learning strategies with the aim of contributing to the innovation of teaching practice. The research reported here is guided by the principles of action research, with improved practice as primary focus. It is believed that some of the success of the teaching-learning innovation described here can be attributed to planning before action, followed by critical analysis.

New teaching-learning strategy The approach followed: "enhanced engagement and assessment" Online learning technologies were implemented to help students engage with course material, lecturers and other students in the following ways: Additional resources, such as lecture outlines were made available, which encouraged students to come to class prepared. More assessment opportunities (with immediate electronic feedback) were provided in the form of online quizzes, without adding to lecturers' marking load. Student feedback on the teaching-learning process was conducted over a three year period, which resulted in continuous improvement Channels of asynchronous online communication were created to facilitate interaction and collaboration.



Enhanced engagement with course content through online assessment (quizzes) 4 on-line quizzes (1 "mock/trial" + 3 formal assessments – Module 1 & 3 formal assessments – Module 2) A Formal quiz (assessment) covers 2 learning units 20 Minutes on-line & 10 MCQ questions randomly selected from a database Open book assessment opportunity Two opportunities per assessment 20% contribution to final mark

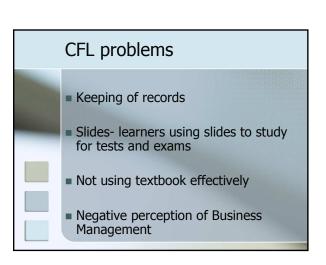




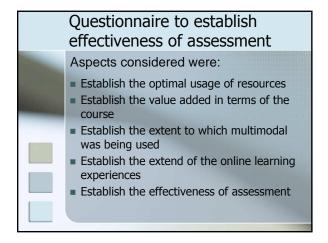




CFL problems Number of students 3000+ Content – one learning unit a week Difficulty of assessment with large numbers NB: Assessment must be authentic, fair, valid and reliable Feedback – important component of CFL



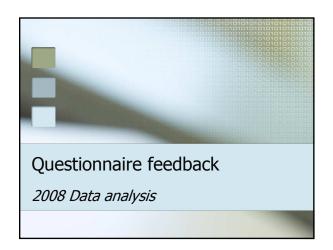




Why a WebCT survey questionnaire? We could collect information quickly from a large number of learners. Respondents could remain anonymous. Learners had access to the survey anytime/anywhere. Survey results were recorded automatically. Statistics on closed questions were available immediately.

Learners Registered 2005 2006 2007 2008 Sample 2787 2881 3166 3326 Response 1522 1836 1828 2468 Response rate 54.6% 63% 58.7% 74%	Research sample					
Response 1522 1836 1828 2468		2005	2006	2007	2008	
	Sample	2787	2881	3166	3326	
Response rate 54.6% 63% 58.7% 74%	Response	1522	1836	1828	2468	
	Response rate	54.6%	63%	58.7%	74%	

Business Management Assessment results				
Description	2006	2007	2008	
Average mark for on-line quizzes	56.1%	58.2%	56%	
Average term mark	50.6%	62.9%	59%	
Throughput	58%	80%	87%	



QUESTION 1 Does the online environment (Edulink) have a positive impact on your learning?				
Descriptor (2008)	N	%		
YES	2293	92.91		
NO	76	3.08		
UNSURE	81	3.28		
NOT ANSWERED	18	0.73		
TOTAL	2468	100		

QUESTION 2 If yes which elements positively impacted on your learning?				
Descriptors	N	%		
Assessment Tool	2047	82.94		
Discussion Tool	273	11.06		
E-mail Tool	141	5.71		
Notice Board	867	35.13		
Not Answered	59	2.39		
Total	3387	137.24		

QUESTION 3 Would you like us to continue making the online environment available?			
Descriptors	N	%	
Yes	2091	84.72	
Yes, but with certain changes	307	12.44	
No	44	1.78	
Not Answered	26	1.05	
Total	2468	100	

QUESTION 4
Any suggestions for improvements to the online environment in general

A large majority of the respondents indicated that they were satisfied with the present situation although individual students indicated issues that were problematic for them.

Problematic issues included:
problems with the lockdown browser;
need for more computer labs and access to computers;
and download time (Edulink slow).

QUESTION 5
What, if any, obstacles did you encounter with Edulink?

The majority of the students did not encounter any major obstacles. Those respondents that did experience obstacles referred to logistical and physical limitations including:

the lack of space in the computer labs
the use of the lock down browser
load shedding (impact of Eskom)
the system being down.

QUESTION 6
 Did the online interaction (discussions) assist you in learning about the subject?

 The majority of the students indicated that the discussions proved to be a source of information as well as a learning opportunity.
 Some students indicated that they did not participate because they perceived some of the discussions to be irrelevant to the subject.

QUESTION 7 To what extent did the "muddiest point" assist in your learning of the content?
The question is not relevant to the focus of the paper.
 Brief references indicated that the students were divided in their perception on the use and benefit of the muddiest point.

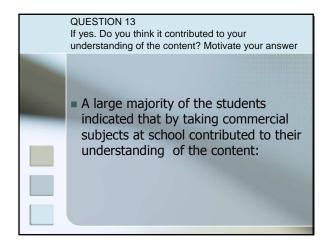
QUESTION 8 Did the online/Edulink assessments assist you in learning about the subject?				
Descriptors	N	%		
To a large extent	1383	56.04		
Somewhat	960	38.90		
To no extent	80	3.24		
Not answered	45	1.82		
Total	2468	100		

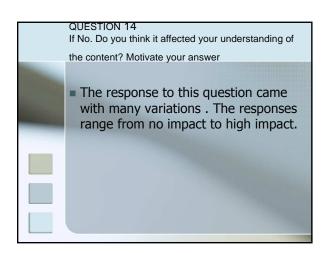
QUESTION 9					
Were the	Were the instructions to access and complete the				
online/Ed	lulink assessment clear?				
	Descriptors	N	%		
	Yes	2241	90.80		
	No	173	7.01		
	Not answered	54	2.19		
	Total	2468	100		

QUESTION 10 Was the feedback timeous in terms of your online/Edulink assessment results?				
Descriptors	N	%		
Always	1410	57.13		
Most of the time	849	34.40		
Seldom	169	6.85		
Not answered	40	1.62		
Total	2468	100		

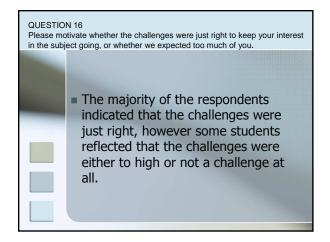
QUESTION 11 Are there any recommendations to improve the online/Edulink assessments?
The majority of the students indicated that no improvements were required.

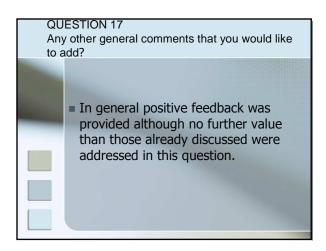
Did	QUESTION 12 Did you take Business Management/Economics or related subjects at school?				
	Descriptors	N	%		
	Yes	1245	50.45		
	No	1175	47.61		
	Not answered	40	1.62		
	Total	2468	100		

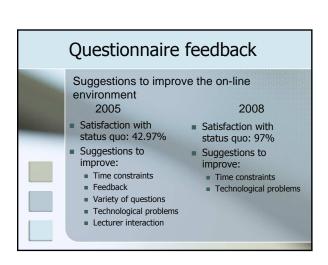




	QUESTION 15 Do you feel you were challenged with the course content and application exercises?				
	Descriptors	N	%		
	Yes	1994	80.79		
	No	417	16.90		
	Not Answered	57	2.31		
	Total	2468	100		







Responses indicate that while technology is not an isolated contributor to student success, it can play an important role in students' perceptions of the quality of the teaching-learning experience and seems to contribute significantly to student throughput. These research findings have practical implications for the design, development and facilitation of modules and learning strategies in large classes.

