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References

Adendorff, D. 2000. *Instructional design principles for developing an interactive learning programme using Arel: a case study / an essay.* Pretoria [S.n.]

Alessi, S.M. & Trollip, S.R. 1991. *Computer-based Instruction: methods and development. 2nd Ed.*, Englewood Cliffs, N J: Prentice Hall.

Alessi, S.M. & Trollip, S.R. 2001. 3rd Edition, Multimedia for Learning, *Methods and Development* Massachusetts: A Pearson Education Company.

Bacon, J. 1997. The Future of Instructional Materials: From Giotto to Virtual Security to the Writing Process. Johnson County Community College. [On-line]. http://www.jccc.net/~ibacon/future.htm [2000, March 20]

Bass, R. 1997. A brief guide to interactive multimedia and the study of the United States. [On-line]. http://georgetown.edu/crossroads/mltmedia.html [1999, October]

Bates, A.W. 1995. Technology, open learning and distance education. London: Routledge.

Berry, L. 1991. Visual complexity and pictorial memory: A fifteen year research perspective. In: Simonson, M.R. & Treimer, M. (Eds.). *Proceedings of selected research paper presentations at the 1985 Annual Convention of the Association for Educational Communications and Technology* (p. 92-102). Ames, IA: Iowa State University Press.

Bork, A. 1984. Computers in composition instruction. In R.Shostak (Ed.), *Courseware design.* Design considerations. Eugene, OR; ICCE

Boyd-Barrett, O. & Scanlon, E. 1990. *Computers and learning*. Addison-Wesley Publishing Company

Broholm, J.R. & Aust, R. 1994. Teachers and Electronic Mail: Networking on the Network. *Journal of Technology and Teacher Education*, 2(2), 167-182

Bruce, B. & Peyton, J.K. & Batson, T. 1993. *Network-Based Classrooms*. Cambridge University Press.

Bruemmer, P.J. 2000. The Directory Listing Advantage. [On-line]. http://www.clickz.com/cgi-bin/gt/article [2001, May]

Clarke, P. 1998. *Telematic teaching of adults via the World Wide Web: a university case study.* University of Pretoria: [S.n.]

Coetzee, H. 2000. The development of a World Wide Web Information resource for farmers with specific reference to yogurt production. Thesis (PHD), University of Pretoria

Collier, D. & Cotton, B. 1989. *Basic desktop design and layout*. Cincinnati, OH North, Light Books.

Cotrell, J. & Eisenberg, M.B. 1997. Web design for Information Problem-Solving: Maximising value for users. *Internet Librarian*, May. 1997



Crawford, S. 2000. *Focus pocus: The Promise of Portals.* [On-line]. www.netcai.com [2000, June]

Cronjé, J.C. & Clarke, P.A. 1998. *Teaching Teaching on the Internet' on the Internet.* [On-line] http://haqar.up.ac.za/catts/learner/patsy/rbo97c.doc [1999, October].

Cronjé, J. 1997. Interactive Internet: Using the Internet to facilitate co-operative distance learning. South African Journal of Higher Education 11(2): 149 – 156.

De Jong, T. & Sarti, L. 1994. *Design and production of multimedia and simulation-based learning material*. Dordrecht: Kluwer Academic Publishers

Dede, C. 1989. The Evolution of Distance Learning: Technology-Mediated Interactive Learning. *Report for the study: "Technologies for Learning at a distance"* (Science, Education and Transportation Program for the Office of Technology Assessment, Congress of the United States).

Draper, S. 1997. Adding (negotiated) learning management to models of teaching and learning. *ITFORUM paper*

[On-line] http://www.psy.gla.ac.uk/~steve/TLP.management.html [2000, April 15].

Dreamweaver information. 1999. [On-line] http://www.macromedia.com/software/dreamweaver/ [2000, June]

Ely, Donald.P. & Plomp, T. 1996. *Classic Writings on Instructional Technology*. Libraries Unlimited, Inc. Englewood, Colorado.

Flouris, G. 1989. The use of an Instructional Design Model for Increasing Computer Effectiveness. *Educational Technology*, 29(1), 14-21

Franklin, C. 2001. How Internet Search Engines Work. [On-line] http://www.howstuffworks.com/web-page.htm. [2001,July]

FrontPage information. 2000. [On-line]. http://www.microsoft.com/catalog/

Garner, K.H. 1991. 20 Rules for arranging text on a screen. In R.B. Frantzreb (Ed.), *Training and development yearbook, 1991 edition.* Englewood Cliffs, NJ: Prentice-Hall.

Gehlauf, D.N., Schatz, M.A. & Frye, T.W. 1991. Faculty perceptions of interactive television instructional strategies: implications for training. *American Journal of Distance Education*, 5(3), 20-28.

Gery, G. 1987. Making CBT happen. Boston, Ma: Weingarten Publications.

Glynn, S.M., Britton, B.K. & Tillman, M.H. 1985. Typographical cues in text: Management of the reader's attention. In Jonassen (Ed.), *The technology of text (volume 2): Principles for structuring, designing, and displaying text.* Englewood Cliffs, NJ: Educational Technology Publications

Grabinger, R.S. 1985. *Relationships among text format variables in computer-generated text.*Paper presented at the Annual Conference of the Association for Educational Communications and Technology, Research and Theory Division, Las Vegas, NV.

Greller, L.M. & Barnes, S. 1993. Groupware and interpersonal text: The computer as a medium of communication. *Interpersonal computing and Technology*, 1(2). [On-line] http://ian.ucc.nau.edu/~ipct-i/1993/n2/qreller.txt [1997, March 15].



Hannafin, M.J. & Hooper, S. 1989. An integrated framework for CBI screen design and layout. *Computers in Human Behavior, 5*(3), 155-165

Hannafin, M.J. & Hooper, S. 1991. The effects of group composition on achievement, interaction, and learning efficiency during computer-based cooperative instruction. *Educational Technology Research and Development, 39*(3), 27-40.

Hannafin, M. J. & Peck, K. L. 1988. *The design, development and evaluation of instructional software.* New York: Macmillan

Harasim, L.M. 1996. Computer networking for Education. In T. Plomp and D.P. Ely. (Eds.), *International Encyclopedia of Educational Technology (2nd edition)*. Oxford: Pergamom.

Harvard Educational Review 32:1962

Heines, J.M. 1984. *Screen design strategies for computer-assisted instruction.* Bedford, MA: Digital Press.

Hiltz, R. & Wellman, B. 1997. Asynchronous Learning Networks as a Virtual Classroom. *Communications of the ACM*, 40(9), 44-49.

Hodge, K. 2000. Dreamweaver. .net, Issue 31, March: 70-71

Hodge, K. 2000. Dreamweaver. .net, Issue 32, April: 74-76

Hodge, K. 2000. Web Tech: Dreamweaver 3. .net, Issue 34, June:72-73

Hodgkinson, C. & Cronje, J. 1999. Designing Effective Technology-Assisted Learning Materials. A Workshop.

Holden, M.C. & Wedman, J.E. 1993. Future issues of computer-mediated communication: The results of a Delphi study. *Educational Technology Research and Development*, 41(4), 5-24.

Isaacs, G. 1987. Text screen design for computer-assisted learning. *British Journal of Educational Technology*, 1(18), 41-51.

Kennedy, A.J. 1997. *The Internet and the World Wide Web: the Rough Guide*. London: Penguin Books Ltd.

Kennedy, D. & Taylor, P. 1994. *Hypermedia design for enriching conceptual understanding in chemistry.* Paper presented at the Second International Interactive Multimedia Symposium, Promaco Conventions, Perth, Western Australia.

Lang, K. 1987. The writer's guide to desktop publishing. London, Academic Press.

Lappas, P.D. & Kekkeris, G. 1996. Multimedia Guide. [On-line]. http://thrace.ee.duth.gr/multi/tableng/html [2000, September]

Laurillard, D.M. 1987. Computers and the emancipation of students: Giving control to the learner. *Instructional Science*, *16*, 3-18.

Laurillard, D.M. 1993. Rethinking University Teaching: A Framework for the effective use of educational technology. London: Routledge.

Laurillard, D.M. 1994. *Multimedia and the changing experience of the learner*. Paper presented at the Asia Pacific Inf. Tech.



Laurillard, D.M. 1996. The Changing University. ITFORUM paper. [On-line] http://itech1.coe.uqa.edu/itforum/paper13/paper13.html [2000, Nov 11]

Le Page, D. 1999. The new untouchables...On the Internet. *Mail & Guardian*, April 1 to 8, 1999:31.

Levine, R. 1999. Navigation/Audience. [On-line] http://www.sun.com/styleguide/tables/Audience.html [2001, March]

Lichty, T. 1989. Design principles for desktop publishers. Glenview, IL: Scott, Foresman and Co.

Lynch, P. J. & Horton, S. 1997. Yale C/AIM Web Style Guide. [On-line] http://info.med.yale.edu/caim/manual/index.html [1999, April]

Maddux, C.D. 1998. The World Wide Web: some simple solutions to common design problems. *Educational Technology*, 23(9-10): 24-28

Marzano, R.J. et al. 1988. *Dimensions of Thinking, a Framework for Curriculum and Instruction.* Alexandria, VA: Association for Supervision and Curriculum Development.

Merie. 1999. [On-line]. Www.eboz.com/cgi_bin/ads/redirect.cgi/5_[1999 October]

Misanchuk, E R. 1992. *Preparing Instructional Text: Document design using desktop publishing.* Englewood Cliffs, New Jersey: Educational Technology Publications.

PCFormat, 2000. Tried and Tested, Issue 39, April 2000, 63

Phillips, R. 1997. *The Developer's Handbook to Interactive Multimedia*. Pentonville Rd. Lodon, Stirling USA.

Pieters, J.M. & Simons, P.R.J. & De Leeuw, L. 1990. *Research on Computer-Based Instruction*. Amsterdam (etc.): Swets and Zeitlinger.

Reeves, T. 1997. *Multimedia Development Tools: Evaluation Tools*. [On-line]. http://mime1.marc.gatech.edu/MM Tools/evaluation.html [2000, March]

Regian, J.W. & Shute, V.J. 1992. *Cognitive Approaches to Automated Instruction*. Lawrence Erlbaum Associates Publishers, Hillsdale.

Remmers, E. 1998. Guidelines for WWW-based support environments for education professionals. [On-line]. http://users.edte.utwente.nl/remmerse/litstudy/

Russell, T.L. 1999. The no significant difference phenomenon. [On-line]. http://cuda.teleeducation.nb.ca/nosignificantdifference/ [2000, April 28]

Sachs, D. &. Stair, H. 1997. *The 7 Keys to Effective Web sites*. Prentice Hall PTR Prentice Hall Inc.

Schneiderman, B. 1998. *Designing the User Interface: Strategies for Effective Human-Computer-Interaction*. The University of Maryland, Addison-Wesley Longman, Inc.

Schwier, R.A. & Misanchuk, E.R. 1993. *Interactive multimedia Instruction*. Englewood Cliffs, New Jersey: Educational Technology Publications.



Smith, R.M. 1983. *Learning how to learn: Applied theory for Adults*. Open University Press, Buckingham.

Stratfold, M. & Laurillard, D. 1993. Towards a new grammar of multimedia. *Educational Multimedia & Hypermedia Annual 1993*

Tinker, M.A. 1963. Legibility of print. Ames, IA: Iowa State University Press.

Trochim, W.M. 1999. The research methods knowledge database, 2nd edition. [On-line]. http://trochim.human.cornell.edu/kb/index.htm

Vacca, J.R. 1996. Virtual Reality: Strategies for Intranet and World Wide Web Applications. Charleston South Carolina U.S.A.

Van Brakel, P.A. 1996. Implementing Study guides via Internet's World Wide Web. *Proceedings of Conference on Information Technology in Tertiary Education, 1996.* University of Cape Town.

Vaughan, T. 1998. Multimedia: making it work, 4th ed. New York: Osborne/McGraw-Hill

Veen, J. 1998. The Foundation of Web Design. [On-line]. http://www.hotwired.com/webmonkey/templates/print [2000, March]

Venezky, R. & Osin, L. 1991. *The Intelligent Design of Computer-Assisted Instruction*. White Plains N.Y

Vockell, E. & Van Deusen, R.M. 1989. *The Computer and Higher-Order Thinking Skills*. Mitchell Publishing, Inc., Watsonville, CA

Wall Street Journal 1 March 1995, A1

Web builder. Advice and software to produce the perfect web site. 2000. .net. Issue 32, April: 63

Web Course Evaluation Checklist. 2000. [On-line] http://iitclass.bloomu.edu/webeval/Summary.htm [1999, April]

White, J.V. 1983. Mastering Graphics N.Y: Bowker

Wilson, R.F. 1996. *Web Interactivity and Customer Focus*. Issue 20. [On-line]. http://www.wilsonweb.com/articles/web.inter.htm [2000, March]



Appendix A: Questionnaire 1 [+]

Open day - Potential target population

You are requested to complete this questionnaire to assist us in determining whether there is a need for a web site for the **Program in Interior Design.**

Please answer this questionnaire as honest as possible. There is no right or wrong answer. Your answers will be handled in confidence and will be incorporated with those of others. You will remain anonymous, since you do not have to identify yourself.

Thank you for your time and participation.

1. Personal information		
_Age :		Gender:
Interests/Hobbies:		Marital State :
Home language :		Current Job:
	ate by circling the appropriate or	-
Bicycle Car	Bus Tax	xi Other
2. Educational backg Highest level achieved		
Symbol obtained in following		
Mathematics :	Science :	Home Economics:
Accounting:	Computer science :	Geography:
Biology:		
3. Geographical and o	major subjects:cultural information: dicate X in appropriate block)	
3. Geographical and o	cultural information:	
3. Geographical and o Where is your hometown:(in	cultural information: ndicate X in appropriate block)	
3. Geographical and o Where is your hometown:(in Gauteng	cultural information: dicate X in appropriate block) Mpumalanga	
3. Geographical and of Where is your hometown:(in Gauteng North West	cultural information: dicate X in appropriate block) Mpumalanga Free State	
3. Geographical and of Where is your hometown:(in Gauteng North West Namibia Northern Province	Mpumalanga Free State Other	
3. Geographical and of Where is your hometown:(in Gauteng North West Namibia Northern Province	Mpumalanga Free State Other you speak:	
3. Geographical and of Where is your hometown:(in Gauteng North West Namibia Northern Province	Mpumalanga Free State Other you speak:	
3. Geographical and of Where is your hometown:(in Gauteng North West Namibia Northern Province	Mpumalanga Free State Other you speak: write:	



Computer skills / Literacy: Have you ever used a computer : If yes, how often (indicate): Daily Weekly Monthly Occasionally Do you have your own computer : If no, do you have access to one: 486 Pentium I Pentium II Pentium What type of computer do you use regularly: 386

How would you rate your computer skills: Expert Good Average

Poor

Internet use:

J. 2110011101 0301			
Do you have an Internet connection:		Yes	No
For which purpose do you use the Inter	net? (circle all the	applicable choice	s)
 General information seeking 			
 Specific information seeking 			
 Communication 			
 Surfing 			
_			
If yes, which service provider do you us	æ ?(e.g. <i>M-WEB, i</i>	iAfrica, Intekom, e	tc):
Which browser do you use: Internet	Explorer	Netscape	Other
How do you currently obtain information	n on a research to	pic (tick applicabl	e) :
Library Magazines	Internet	Other (in	dicate):
			-
If you search for information on the Int	ernet, which meth	od/s do you use :	
Surfing Search engine (which)): URL fr	om magazine	Other (specify) :

6. Ma	rketing:						
How did	the information	on about the	Open day read	ch you: (indicate (ONE)		
Poster	Fl yer	TV	Radio	Newspaper	Other	(indicate) :	
Why are	you intereste	d in the desi	gn course :		_		
Talent	Job op	portunity	Finar	ncial prospects	Inte	rest	Other:
For which	course did y	ou initially a	ttend the Oper	n Day :	_		
If the Op And why		ged your min	d, what course	are you now inte	rested in :_		
Your gen	eral impressi	on of the des	sign presentation	on: Excellent	Good	Average	Poor
• gene		on (entry red	quirements, dire	sign have been he ections to location		ı, in terms of	



Appendix B: Questionnaire 2 [†]

Target Population Analysis

SECTION A

Please answer the questions by **drawing a circle** around an appropriate number in a shaded block or write your answer(s) in the shaded space provided

Respondent		VR
General Information 1. What is your involvement in the Program (you may indicate more than one)	n in Interior Design?	
Lecturer	1	V1 4
Student	2	V2 5
Related Profession (e.g. Architect)	3	V3 6
Interested Individual	4	V4 7
Other (specify)		V5 8
2. What is your occupation?		V6 9- 10
Personal Information		
3. How old are you? (age in completed years)		
		V7 11-12



A	To which	nearinga	in	h ama atauum	Chatautia	/anhi ana	Luminar
+.	TH MHICH	province	IS YOUR	hometown	Situated?	(only one a	insweri

Gauteng (South Africa)	1
Mpumalanga (South Africa)	2
Kwazulu Natal (South Africa)	3
North West (South Africa)	4
Northern Province (South Africa)	5
Free State (South Africa)	6
Cape Province (South Africa)	7
Other (specify)	

V8	13-14

5. What is your gender?

Male	1
Female	2

V9		15
----	--	----

6. What is your language group (you may indicate more than one)

English	1
Afrikaans	2
Other (specify)	

V10	16
V11	17
V12	18

SECTION B

7. Present Accommodation: (only one answer)

House	1
Flat	2
Rented Room	3
University Residence	4
Other (specify)	

V13	19
ATO	10



8. Possibility to attend lectures/work shops/ clas	sses:(only one answer)	
Always	1	V14 20
Regularly	2	
Irregularly	3	
Seldom	4	
Never	5	
9. If you answered anything other than "reason below	always" state the main	
		V15 21-22
 Consider the options below and rate how with fellow students at each option. Us 1 = least frequently and 5 = most frequently 	se a scale of 1 to 5 where	
Via Internet	andy.	V16 23
Telephone		V17 24
Social gathering		V18 25
Appointment		V19 26
Very seldom		V20 27
11. Consider the options below and rate how with your lecturers at each option. Use = least frequently and 5 = most frequent	a scale of 1 to 5 where 1	
Via Internet		V21 28
Telephone		V22 29

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Social gathering

Appointment
Very rarely

140

V23

V24

V25

30

31

32



SECTION C

In this section information regarding computer literacy and computer use will be obtained.

Consider each option below and prioritize your access to a computer on a scale from 1 to 5 where 1 = least frequently and 5 = most frequently

= most frequently		
Home		V26 33
Work		V27 34
Internet Cafe		V28 35
Learning Institution (e.g. University)		V29 36
None		V30 37
Excellent Above Average Average	2 3	V31 38
Poor	4	
14. How often do you work on a computer? (Daily Weekly	(only one answer) 1 2	V32 39
Monthly	3	

Consider each option below and prioritize your use of a computer on a scale from 1 to 5 where 1 = least frequently and 5 = most frequently

Business	V33	40
Studies	V34	41
Internet surfing	V35	42
Other (specify & prioritize)	V36	43
	V37	44

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Never



16. Do you have access to the Internet? (only one answe	r)	
Yes	1	V38 45
No	2	_
17. Consider each option below and prioritize your use on a scale from 1 to 5 where 1 = least frequently		
General information seeking		V39 46
Specific information seeking (e.g. research)		V40 47
Communication		V41 48
Surfing		V42 49
18. Consider each option below and prioritize the vinformation on a specific subject on the Interest from 1 to 5 where 1 = least frequently and 5 = m	ernet on a scale	
Search Engine		V43 50
Trial and Error		V44 51
Time-consuming effort		V45 52
Specific web site address		V46 53
Other (specify & prioritize)		V47 54
		V48 55
If information is obtained through trial and error in q what would your link words be to search for a speci		V49 56-5
20. A web site for the Program in Interior Design will be (you may indicate more than one)	beneficial for:	
Advertising/marketing the Department	1	V50 58
Communication (e.g. e-mail, bulletin board)	2	V51 59
Access to information regarding the program. (e.g. study guides/ work shops)	3	V52 60
Learning & international participation in projects/ work shops	4	V53 61



21.	n the Web site of the Program in fortable and effective channel of ed? (only one answer)	
Yes	1	V54 62
No	2	
22.	ing you would like to find on a web Design in order to be functional and	V55 63-64

Thank you for your participation.

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Appendix C: Questionnaire 3 [+]

Evaluation of prototype web site

- 1. The purpose of this questionnaire is to evaluate a web site created for the Program in Interior Design, University of Pretoria.
- 2. Your assistance and input is greatly appreciated. It will be taken into consideration in the refining of the product and will contribute to the success thereof.
- 3. A critical observation of the web site is imperative.
- 4. Answer the questions in the following manner:

Answer by ticking the appropriate box or boxes (if more than one answer is possible) Where no possibility is given or an indication is given to SPECIFY, supply your own written answer or place the numbers from 1 to 5 next to the appropriate option.

Answers for questions on a scale from 1-5 have the following values:

E = Excellent
G = Good
AA = Above average
A = Average
P = Poor

Thank you for your co-operation and your time.

Maryke Meter and Friedel van Zyl

Hand in after completion or return to the following e-mail address: friedel@netactive.co.za



Office use only

Layout of the web site	E	G	AA	A	P		
The appearance of the web site and the overall "look" is:	1	2	3	4	5		
2. The readability (size and space of writing) on the pages is:	1	2	3	4	5		
3. The consistency of all the elements throughout the web site is:	1	2	3	4	5		
4. The use of colours in the web site is:	1	2	3	4	5		
5. The choice of fonts (type of writing) is:	1	2	3	4	5		
6. The layout of the site map is:	1	2	3	4	5		
6. The layout of the site map is: Comments and/or suggestions: (Plea				4	5	-	

Navigation	E	G	AA	A	P
7. The navigation from and to the home page is:	1	2	3	4	5
8. The consistency of the buttons through out the web site is:	1	2	3	4	5
9. The layout of the site map for navigation purposes is:	1	2	3	4	5
10. The different navigation options in the site is clear and easy to follow:	1	2	3	4	5
11. The "Useful Links" page will attract more visitors:	1	2	3	4	5



Office use only

Content	E	G	AA	A	P	
12 . The amount of content per web page is presented in manageable chunks:	1	2	3	4	5	
13. The content is understandable and appropriate:	1	2	3	4	5	
14. The way in which the content is presented gain the attention of the visitor:	1	2	3	4	5	
15. The choice of the graphics is:	1	2	3	4	5	

Communication, Support and ease of use	E	G	AA	A	P
16. : The possibility of communicating with other students and lecturers, with a bulletin board and listserv will be:	1	2	3	4	5
17. The "Contact Details" on the web site are easy accessible and clear	1	2	3	4	5
18. The web site enables and promotes learning:	1	2	3	4	5
19. The download time of the web pages is:	1	2	3	4	5
20. The web site is easy to use:	1	2	3	4	5

Comments and/or suggestions: (Please complete)



Office use only

Content	E	G	AA	A	P
12. The amount of content per web page is presented in manageable chunks:	1	2	3	4	5
13. The content is understandable and appropriate:	1	2	3	4	5
14. The way in which the content is presented gain the attention of the visitor:	1	2	3	4	5
15. The choice of the graphics is:	1	2	3	4	5

Communication, Support and ease of use					
	E	G	AA	A	P
16. : The possibility of communicating with other students and lecturers, with a bulletin board and listserv will be:	1	2	3	4	5
17. The "Contact Details" on the web site are easy accessible and clear	1	2	3	4	5
18. The web site enables and promotes learning:	1	2	3	4	5
19. The download time of the web pages is:	1	2	3	4	5
20. The web site is easy to use:	1	2	3	4	5

Comments and/or suggestions: (Please complete)



21.	General recommendations about the web site as a whole:	Office use only		
L ₂				

Thank you for your time.