

## REFERENCES

- Abels, E.G., Domas White, M. & Hahn, K. 1998. A user-based design process for Web sites. *Internet Research: Electronic Networking Applications and Policy*, 8(1):39–48.
- Abouchedid, K. & Eid, G.M. 2004. E-learning challenges in the Arab world: Revelations from a case study profile. *Quality Assurance in Education*, 12(1):15-27.
- Ali Habash, M. 1998. Media delivery in computer based instruction: Web based vs. CD-ROM based. [Online]. Available: <http://naweb.unb.ca/proceedings/1998/habash/habash.html> [1 July 2003].
- Al-Khaldi, M.A. & Al-Jabri, I.M. 1998. The relationship of attitudes to computer utilization: New evidence from a developing nation. *Computers in Human Behaviour*, 14(1):23-42.
- Allen, R.J. 1997. It's a circus out there! *CBT Solutions*: 33-37, March/April.
- Ally, M. 2004. Foundations of Educational Theory for Online Learning. In: T. Anderson & F. Elloumi (Ed.). *Theory and practice of online learning*, Athabasca: Athabasca University, Canada, pp. 3-31.
- Ambler, S.W. 2000. User interface design: Tips and techniques. [Online]. Available: <http://www.ambyssoft.com/userInterfaceDesign.pdf> [6 June 2003].
- Anderson, T. & Elloumi, F. 2004. Introduction. In: T. Anderson & F. Elloumi (Ed.). *Theory and practice of online learning*, Athabasca: Athabasca University, Canada, pp. 3-31.
- Anon. 1998. Long-distance learning. *InfoWorld* [Online], 20(36):72-73, July 9. Available: EBSCO Online/Academic Search Premier [21 October 2000].
- Anon. 2001. Learning goes the distance. (Innovators). (Brief Article). *NEA Today* [Online], 19(4):21(1) Jan. Available: Gale Group: Infotrac/Expanded Academic ASAP [25 July 2003].
- Atkins, M.J. 1993. Theories of learning and multimedia applications: An overview. *Research Papers in Education*, 8(2):251-271.
- Attström, R. & Larsson, K. 2002. The role of e-learning in nutrition. *The South African Journal of Clinical Nutrition*, 15(2):S5, Supp.

Austin, I. O'B. (No date). Capacity management for continuous improvement in distance education. [Online]. Available:[http://www.col.org/resources/publications/SmallStates00/2\\_conf\\_proc\\_Austin.pdf](http://www.col.org/resources/publications/SmallStates00/2_conf_proc_Austin.pdf) [8 July 2003].

Axmann, M., Fourie, W. & Papo, W.D. 2002. Adding net value: The nature of online education at a South African residential institution. *EMI 39:3/4 – ICTS AND MEDIA*. Refereed paper 267-273.

Balderstone, S.J. & Mabin, V.J. (No date). A review of Goldratt's Theory of Constraints (TOC): lessons from the international literature. [Online]. Available: <http://www.mfgexcellence.com/articles/downloads/ToCResults.pdf> [3 July 2003].

Bandura, A. 1986. *Social foundations of thought and action*. Englewood Cliffs: Prentice-Hall.

Bandura, A. 1997. *Self-efficacy: The exercise of control*. Englewood Cliffs: Prentice-Hall.

Baron, L.C. & Goldman, E.S. 1994. Integrating technology with teacher preparation. In: L.C. Baron & E.S. Goldman (Ed.). *Technology and education reform*. San Francisco: Jossey-Bass Publishers, pp. 99-120.

Bartolic-Zlomislic, S. & Bates, A.W. 1999. Investing in online learning: Potential benefits and limitations. *Canadian Journal of Communication*, 24(3):349-366, Summer.

Bates, T. 1999. Cultural and ethical issues in international distance education. In: Engaging Partnerships Collaboration and Partnership in Distance Education UBC/CREAD conference, Vancouver, September 21-23, Canada, pp 1-13.

Beattie, K. 1994. How to avoid inadequate evaluation of software for learning. In: K. Beattie, C. McNaught & S. Wills (Eds.). *Interactive Multimedia in University Education: Designing for Change in Teaching and Learning*. Proceedings of the IFIP TC3/WG3.2 Working Conference on the Design, Implementation and Evaluation of Interactive Multimedia in University Settings, Melbourne, Victoria, Australia, 6-8 July, 1994. (IFIP Transactions A-59) (pp. 245-258). Amsterdam: Elsevier.

Becker, D. 1999. Training on demand. *TechWeek*, 26-29, Jan. 11.

Beller, M. & Or, E. 2003. Learning technologies at the service of higher education: Global trends and local Israeli opportunities. *Work*, 20(1):23-33.

Beneke, P. 1999. The importance of a student profile and an accountable open learning student counselling model. Dissertation MA Ed, Vista University, Bloemfontein.

- Benjamin, D. 2000. Designing for usability: Optimising the UCD framework. In: Proceedings of the CHI-SA 2000 Conference on Usability and User-Centred Design, June, Pretoria, pp. 1-10.
- Bevan, N. 1999. Usability issues in web site design. In: Proceedings of 6th Interactive Publishing Conference, November. [Updated May 2001].
- Bevan, N. 2000. Introduction to usability and user-centred design: Tutorial. In: Proceedings of the CHI-SA 2000 Conference on Usability and User-Centred Design, June, Pretoria.
- Bless, C. & Higson-Smith, C. 1995. *Fundamentals of social research methods: An African perspective*. 5<sup>th</sup> Edition. Cape Town: Juta and Co, Ltd.
- Bloom, B.S., Hastings, J.T. & Madaus, G.F. 1971. *Handbook on formative and summative evaluation of student learning*. New York: McGraw-Hill.
- Blustain, H., Goldstein, P. & Lozier, G. 1999. Assessing the New Competitive Landscape. In: R.N. Katz and Associates (Ed.). *Dancing with the devil: Information technology and the new competition in higher education*. San Francisco: Jossey-Bass Publishers, pp. 51-71.
- Boettcher, J.V. 1999. 21st Century Teaching and Learning Patterns: What Will We See? *Syllabus Magazine, June Highlights* [Online], 12(10), June.  
Available: [http://www.syllabus.com/syllabusmagazine/Jun99\\_magfea.html](http://www.syllabus.com/syllabusmagazine/Jun99_magfea.html) [24 January 2003].
- Boisvert, L. 2000. Web-based learning. *Information Systems Management* [Online], 17(1):35-40, Winter. Available: EBSCO Online/Academic Search Premier [9 September 2000].
- Bonk, C.J. & Reynolds, T.H. 1997. Learner-centered web instruction for higher-order thinking, teamwork, and apprenticeship. In: B.H. Khan (Ed.). *Web-based instruction*, Englewood Cliffs, New Jersey: Educational Technology Publications, pp. 167-178.
- Bose, K. 2003. An e-learning experience: A written analysis based on my experience with primary school teachers in an e-learning pilot project. *International Review of Research in Open and Distance Learning* [Online], Oct. Available: EBSCO Online/MasterFILE Premier [15 March 2004].
- Bostock, S. 1997. Designing web-based instruction for active learning. In: Khan, B.H. (Ed.). *Web-based instruction*, Englewood Cliffs, New Jersey: Educational Technology Publications, pp. 225-230.
- Breen, A.M., Burton-Houle, T. & Aron, D.C. 2002. Applying the Theory of Constraints in health care: Part 1 – The Philosophy. *Quality Management in Health Care*, 10(3):40-46, Spring.

Brock, E. & Sulsky, L. 1994. Attitudes towards computers: Construct validation and relations to computer use. *Journal of Organizational Behaviour*, 15:17-35.

Brown, D.G. 2004. Taking charge of learning: Tips for students. *Campus Technology*. [Online]. Available: <http://www.campus-technology.com/article.asp?id=8470> [30 April 2004].

Brown, K.G. & Gerhardt, M.W. 2002. Formative evaluation: an integrative practice model and case study. *Personnel Psychology* [Online], 55(4): 951:33, Winter. Available: Gale Group:Infotrac/Expanded Academic ASAP [6 August 2003].

Brush, T. A. Uden, L. 2000. Lorna using computer-mediated communications to enhance instructional design classes: A case study. *International Journal of Instructional Media* [Online], 27(2):157-164, Nov. Available: EBSCO Online/Academic Search Premier [1 October 2000].

Burke, J. & Slavin, N. 2000. Just-in-time Accounting education. *CPA Journal* [Online], 70(4):46, 5p, Apr. Available: EBSCO Online/Academic Search Premier [24 July 2003].

Cahoon, B. 1998. Teaching and learning Internet skills. In: S. Imel (Ed.). *Adult learning and the Internet*. New Directors for Adult and Continuing Education Series. San Francisco: Jossey-Bass, pp. 102-115.

Carliner, S. 2002. Determining constraints for e-learning. [Online]. Available: <http://saulcarliner.home.att.net/oll/elearningconstraints.htm> [30 June 2003].

Carnevale, D. & Olsen, F. 2003. How to succeed in distance education. *Chronicle of Higher Education* [Online], 49 (40): A31, 3 p, June 13, Available: EBSCO Online/Academic Search Premier [24 July 2003].

Cato, J. 2001. *User-centered web design*. London: Addison-Wesley. 321 p.

Chale, E.M. & Michaud, P. 1997. Distance learning for change in Africa. [Online]. Available: <http://www.idrc.ca/acacia/03230/04-dlearl.html> [14 June 2002].

Chambers, J. 2004. How technology can lift the world. *Global Agenda*, (2):148-149, Jan.

Chambers, J. 2004. Vision: Education, standards of living and the Internet. [Online]. Available: [http://newsroom.cisco.com/dlls/tln/exec\\_team/chambers/chambers\\_edu.html](http://newsroom.cisco.com/dlls/tln/exec_team/chambers/chambers_edu.html) [20 April 2004].

- Chan, P.S. & Welebir, B. 2003. Strategies for e-education. *Industrial and Commercial Training*, 35(5):196-202.
- Charp, S. 2003. Technology for all students. *T H E Journal*, 30(9):8, Apr.
- Chih-Hsiung, T. & Corry, M. 2001. A paradigm shift for online community research. *Distance Education*, 22(2):245-263.
- Clark, R.E. 1994. Media will never influence learning. *Educational Technology Research and Development*, 42(2):21-30.
- Cloete, L.M. 2001. The education and training of cataloguers: A training resource programme. Thesis. D Phil (Information Science), Pretoria University.
- Cloete, L.M., Snyman, R. & Cronje, J.C. 2003. Training cataloguing students using a mix of media and technologies. *Aslib Proceedings*, 55(4):223-233.
- Cohen, D. J. & Lippert, S. K. 1999. The lure of technology: Panacea or pariah? *Journal of Management Education* [Online], 23(6):743 -746, Dec. Available: EBSCO Online/Academic Search Premier [18 October 2000].
- Compeau, D.R. & Higgins, C.A. 1995. Application of social cognitive theory to training for computer skills. *Information Systems Research*, 6(2):118-143.
- Creswell, J.W. 2003. Research design. Qualitative, quantitative, and mixed methods approaches. 2<sup>nd</sup> edition. London: Sage Publications.
- CUergo, (No date). Ergonomic guidelines for user-interface design. [Online]. Available: <http://ergo.human.cornell.edu/ahtutorials/interface.html> [20 July 2003]
- Cypress Lake Studios, 2003. Practical applications of hypermedia. [Online]. Available: <http://www.cypresslakestudios.com/articles/usinghypermedia.html> [22 August 2003].
- Daniel, J.S. 1996. Mega-universities and knowledge media: Technology strategies for higher education. London: Kogan Page Limited.
- Danielson, J., Lockee, B., & Burton, J. 2000. ID and HCI: 'A Marriage of Necessity' In: B. Abbey (Ed.). *Instructional and cognitive impacts of web-based education*, London: Idea Group Publishing, pp. 118-128.

Davis, F.D., Bagozzi, R.P. & Warshaw, P.R. 1992. Extrinsic and intrinsic motivation to use computers in the workplace. *Journal of Applied Social Psychology*, 22(14):1111-1132.

Deubel, P. 2003. An investigation of behaviorist and cognitive approaches to instructional multimedia design. *Journal of Educational Multimedia and Hypermedia* [Online], 12(1):63-290, Spring. Available: Gale Group: Infotrac/Expanded Academic ASAP [25 July 2003].

Deci, E.L. & Ryan, R.M. 1987. The support of autonomy and the control of behaviour. *Journal of Personality and Social Psychology*, 53(6):1024-1037.

DiPaolo, A. (No date). What distance students want. Peterson's Distance Learning Advice. [Online]. Available: <http://www.petersons.com/distancelearning/code/articles/distancelearnwant12.asp> [6 June 2003].

Dolence, M.G., & Norris, D.M. 1995. Transforming higher education: A vision for learning in the 21st century. Ann Arbor, MI: The Society for College and University Planning. [Online]. Available: <http://141.211.140.236/catalog/catalog.htm> [12 October 2000].

Driscoll, M. & Reid, Jr., J.E. 1999. Web-based training: An overview of training tools for the technical writing industry. *Technical Communication Quarterly*, 8(1):73-86, Winter.

Duderstadt, J.J. 1999. Can colleges and universities survive in the Information Age? In: Katz, R.N. and Associates (Eds.). *Dancing with the devil: Information technology and the new competition in higher education*. San Francisco: Jossey-Bass Publishers, pp. 1-25.

Dutton, W.H., Cheong, P.H. & Park, N. 2004. The social shaping of a virtual learning environment: The case of a university-wide course management system. *Electronic Journal of e-Learning*, 2(1):69-80, February.

Dyrud, M. A. & Worley, R. B. 2001. Distance Education, Part Three. *Business Communication Quarterly*, 64 (i3):80, Sept. Available: Gale Group/Expanded Academic ASAP [25 July 2003].

Eastmond, N. 1994. Assessing needs, developing instruction, and evaluating results in distance education. In: B. Will (Ed.). *Distance education strategies and tools*. New Jersey: Educational Technology Publications, pp. 87-107.

Elbon, S. 2002. IT in nutrition communication. *The South African Journal of Clinical Nutrition*, 15(2):S6, Supp.

E-learning development: how to develop an online course. 2003. Lesson 3: Interface Design. [Online]. Available: <http://stylusinc.com/WebEnable/HR/lesson3.php> [8 September 2003].

El-Tigi, M. & Branch, R.M. 1997. Designing for Interaction, Learner Control, and Feedback During Web-Based Learning. *Educational Technology*: 23-29, May-June.

FAO: see Food and Agriculture Organisation of the United Nations.

Farrington, G.C. 1999. The new technologies and the future of residential undergraduate education. In: Katz, R.N. and Associates (Eds.). *Dancing with the devil: information technology and the new competition in higher education*. San Francisco: Jossey-Bass Publishers, pp. 73-94.

Fender, D. L. 1999. Distance education. *Professional Safety*, 44(10):26, 4p, Oct. Available: EBSCO Online/Academic Search Premier [24 July 2003].

Food and Agriculture Organisation of the United Nations. Newsroom. 2003. Feeding hope: nutrition plays key role in HIV/AIDS care. [Online]. Available: <http://www.fao.org/english/newsroom/news/2003/13560-en.html> [2 April 2004].

Forsyth, I. 2001. *Teaching & learning materials & the Internet*. 3<sup>rd</sup> Edition. London: Kogan Page.

Fox, R.E. (No date). The Theory of Constraints – fad or future? [Online]. Available: <http://www.tocc.com/Articles/FadFuture.PDF> [6 June 2003].

Galpin, V., Sanders, I., Turner, H., & Venter, B. 2003. Computer Self-Efficacy, Gender, and Educational Background in South Africa. *IEEE Technology and Society Magazine*, 22(3):43-48, Fall.

Geueke, M. & Stausberg, J. 2003. A meta-data-based learning resource server for medicine. *Computer Methods and Programs in Biomedicine*, 72:197-208.

Gibson, J.W. & Herrera, J.M. 1998. A Pilot Study to Set Up an Asynchronous Web-based Distance Learning Program in Undergraduate Business. 7<sup>th</sup> Annual Lifelong Learning Conference. National University, CA: National University Research Institute. p1-5.

Gillani, B.B. & Relan, A. 1997. Incorporating interactivity and multimedia into web-based instruction. In: *Web-based instruction*, B. H. Khan (Ed.). New Jersey: Educational Technology Publications, pp. 231-237.

Ginsburg, L. 1999. Educational technology: searching for the value added. *Adult Learning*, 10(4):12-15, Summer.

- Goldberg, M.W. 1997. CALOS: First results from an experiment in computer-aided learning. In: ACM's 28<sup>th</sup> SIGCSE Technical Symposium on Computer Science Education. New York, NY: Association for Computing Machinery.
- Goldratt, E.M. 1992. *The Goal*. 2<sup>nd</sup> Edition. Cape Town: Creda Communications.
- Gottfredson, C. 2002. Rapid task analysis: The key to developing competency-based e-learning. *The e-Learning Developers Journal*: 1-9, June 25.
- Govindasamy, T. 2002. Successful implementation of e-Learning pedagogical considerations. *Internet and Higher Education*, 4(3-4):287–299.
- Gray, M. 1996. *Web growth summary*. [Online]. Available: <http://www.mit.edu/people/mkgray/net/web-growth-summary.html> [7 October 2000].
- Grooms, L.D. 2003. Computer-mediated communication: a vehicle for learning. *Review of Research in Open and Distance Learning*, [Online]. Oct. Available: EBSCO Online/MasterFILE Premier [15 March 2004].
- Hall, B. 1997. *Web-based training cookbook*. New York: John Wiley & Sons.
- Hannafin, M., Hannafin, K., Hooper, S., Rieber, L., & Kini, A. 1996. Research and research with emerging technologies. In: *Handbook for research for educational communications and technology*, D.H. Jonassen (Ed.). New York: Simon & Schuster Macmillan, pp. 378-402.
- Heydenrych, J.F. 2004. The effective learning experience: Restructuring towards improved practice and capacity. In: Information seminar on online learning: A presentation delivered on 26 August 2004, Pretoria.
- Hijazi, S. 2003. Interactive technology impact on quality distance education, *Electronic Journal of e-Learning*, 1(1):35-44.
- Hill, J.R. 1997. Distance learning environments via the World Wide Web. In: B.H. Khan (Ed.). *Web-based instruction*, Englewood Cliffs, New Jersey: Educational Technology Publications, pp. 75-80.
- Hills, H. 2000. Not in the net yet. *People Management*, 6(5):33.
- Hoffman, S. 1997. Elaboration theory and hypermedia: Is there a link? *Educational Technology*, 37(1), 57-64.



- Hofstetter, F.T. 1998. *Internet literacy*. New York: Irwin/McGraw-Hill. 304 p.
- Holt, S. 1999. Web-based training helps one family man move up. *InfoWorld* [Online], 21(23):80, June 7. Available: EBSCO Online/Academic Search Premier [7 September 2000].
- Hopey, C. 1999. Technology and adult education: rising expectations. *Adult Learning / Technology*, 10(4):26-27, Summer.
- Horton, W. 2000. *Designing web-based training*. New York: John Wiley & Sons. 607 p.
- Huber, J.T., Schoonover, W.K. & Kashka, M. 2000. HIV/AIDS and nutrition: A bibliometric analysis. *Medical Reference Services Quarterly*, 19(4):29-37, Winter.
- Hyman, C., & Kaufman, S. 1989. Nutritional impact of acquired immune deficiency syndrome: A unique counselling opportunity. *Journal of the American Dietetic Association*, April:520-524, 527.
- IHEP: see INSTITUTE FOR HIGHER EDUCATION POLICY.
- ITC's Definition of distance education*. [Online]. 2003.  
Available:<http://www.itcnetwork.org/definition.htm> [25 August 2003].
- Iadevaia, D. 1999. An internet-based introductory college astronomy course with real-time telescopic observing. *T.H.E. Journal* [Online], 26(6):71 2p, Jan. Available: EBSCO Online/Academic Search Premier [2 June 2002].
- Igbaria, M. 1993. User acceptance of microcomputer technology: An empirical test. *OMEGA: International Journal of Management Science*, 21;73-82.
- Igbaria, M. & Olivari, J. 1995. The effect of self-efficacy on computer usage. *OMEGA: International Journal of Management Science*, 23(6):587-605.
- Ives, B. & Jarvenpaa, S. L. 1996. Will the Internet revolutionize business education and research? *Sloan Management Review* [Online], 33-41, Spring. Available: Infotrac [19 October 2000].
- Jolliffe, A., Ritter, J. & Stevens, D. 2001. *The online learning handbook: Developing and using web-based learning*. London: Kogan Page.

- Jonassen, D. H., Dyer, D., Peters, K., Robinson, T., Harvey, D., King, M., & Loughner, P. 1997. Cognitive flexibility hypertexts on the Web: Engaging learners in meaning making. In: B H. Khan (Ed.). *Web-based instruction*, Englewood Cliffs, New Jersey: Educational Technology Publications, pp. 119-133.
- Jonassen, D. 1999. Designing constructivist learning environments. In: C.M. Reigeluth (Ed.). *Instructional-design theories and models: a new paradigm of instructional theory*, Vol. II. New-York: Lawrence Erlbaum, pp. 215-239.
- Jones, M.G. & Farquhar, J.D. 1997. User interface design for web-based instruction. In: B.H. Khan (Ed.). *Web-based instruction*, Englewood Cliffs, New Jersey: Educational Technology Publications, pp. 239-244.
- Kang, M. & Byun, H.P. 2001. A conceptual framework for a web-based knowledge construction support system. *Educational Technology*: 48-52, August.
- Karayan, S. & Crowe, J. 1997. Student perceptions of electronic discussion groups. *T.H.E. Journal* [Online], 24(9):69, 3p, Apr. [3 June 2002].
- Kassop, M. 2003. Ten ways online education matches, or surpasses, face-to-face learning. *The Technology Source*, May/June, [Online].  
Available: <http://ts.mivu.org/default.asp?show=article&id=1059> [5 July 2003].
- Katz, R.N. 1999. Competitive strategies of higher education in the Information Age. In: Katz, R.N. and Associates (Eds.). *Dancing with the devil: information technology and the new competition in higher education*. San Francisco: Jossey-Bass Publishers, pp. 27-49.
- Katz, Y.F. & Yablon, Y.B. 2003. Online university learning: cognitive and affective perspectives. *Campus-Wide Information Systems*, 20(2):48-53.
- Katz-Haas, R. 2001. User-Centered Design and Web Development. [Online].  
Available: [http://www.stcsig.org/usability/topics/articles/ucd%20\\_web\\_devel.html](http://www.stcsig.org/usability/topics/articles/ucd%20_web_devel.html) [6 April 2003].
- Kearsley, G. 1994a. Conditions of learning (R. Gagne). [Online].  
Available: <http://www.gwu.edu/~tip/gagne.html> [12 June 2003].
- Kearsley, G. 1994b. Constructivist theory (J. Bruner). [Online].  
Available: <http://www.gwu.edu/~tip/bruner.html> [12 June 2003].

- Kearsley, G. 1994c. Minimalism (J. M. Carroll). [Online].  
Available: <http://www.gwu.edu/~tip/carroll.html> [12 June 2003].
- Kearsley, G. 1994d. Social development theory (L. Vygotsky). [Online].  
Available: <http://www.gwu.edu/~tip/vygotsky.html> [12 June 2003].
- Kember, D., & Gow, L. 1994. Orientations to teaching and their effect on the quality of student learning. *Journal of Higher Education*, 65(1):58-74, Jan/Feb.
- Kilby, T. 1997. *What is web-based training?* WBT Information Center. [Online].  
Available: <http://www.filename.com/online/wbt/pages/whatiswbt/htm> [19 Augustus 2000].
- Kilby, T. 1999. *Frequently asked questions*. WBT Information Center. [Online].  
Available: <http://www.filename.com/online/wbt/pages/faq/htm> [11 October 2000].
- Kolasa, K.M. 2002. The role of IT in nutrition education. *The South African Journal of Clinical Nutrition*, 15(2):S9, Supp.
- Koyanagi, M. (No date). Putting courses online: Theory and practice. [Online].  
Available: <http://www.ils.unc.edu/disted/cmi/final2.html> [16 June 2003].
- Kozma, R.B. 1987. The implications of cognitive psychology for computer-based learning tools. *Education Technology*, 27(11): 20-25.
- Kraak, V.I. 1995. Home-delivered meal programs for homebound people with HIV/AIDS. *Journal of the American Dietetic Association*, April:476-481.
- Kroder, S.L., Suess, J. & Sachs, D. 1998. Lessons in launching web-base graduate courses. *T.H.E. Journal* [Online], 25(10):66, 4p, May. Available: EBSCO Online/Academic Search Premier [24 July 2003].
- Kroll, L. 1999. Good morning HAL. *Forbes Magazine* [Online], March 8, 14 paragraphs. Available: <http://www.forbes.com/forbes/99/0308/At Work Good morning, HAL.htm> [10 October 2000].
- Kruse, K. 1999. *Real world WBT: lessons learned at the Fortune 500*. ASTD International Conference & Exposition. Atlanta, GA: The American Society for Training and Development.
- Kruse, K. 2000a. Effective user interface design. [Online]. *Learning Circuits -- ASTD's Online Magazine All About E-Learning*.  
Available: [http://www.learningcircuits.org/may2000/may2000\\_webrules.html](http://www.learningcircuits.org/may2000/may2000_webrules.html) [6 April 2003].

- Kruse, K. 2000b. Five web-based training perils, and how to avoid them. [Online]. Available: <http://www.learningcircuits.org/learningcircuits>. [18 June 2003].
- Kruse, K. 2000c. What are "synchronous" and "asynchronous" training? [Online]. Available: [http://www.e-learningguru.com/articles/art1\\_7.htm](http://www.e-learningguru.com/articles/art1_7.htm) [6 June 2003].
- Kubala, T. 1998. Addressing student needs: teaching on the Internet. *T.H.E. Journal* [Online], 25(8):71:4, March, Available: EBSCO Online/Academic Search Premier [24 April 2002].
- Kurup, P. 1999. Training in EDA heads for an online future. *Electronic Engineering Times* [Online], 1066:108, June 21. Available: EBSCO Online/Academic Search Premier [7 September 2000].
- Laurillard, D. 1994. The role of formative evaluation in the progress of multimedia. In: K. Beattie, C. McNaught & S. Wills (Eds.). *Interactive Multimedia in University Education: Designing For Change in Teaching and Learning*. Proceedings of the IFIP TC3/WG3.2 Working Conference on the Design, Implementation and Evaluation of Interactive Multimedia in University Settings, Melbourne, Victoria, Australia, 6-8 July, 1994. (IFIP Transactions A-59). Amsterdam: Elsevier, pp. 287-293.
- Lawson, T.E. 1974. *Formative instructional product evaluation: Instruments & strategies*. New Jersey: Educational Technologies Publications.
- Lee, W.W. & Owens, D.L. 2000. *Multimedia-based instructional design*. San Francisco: Jossey-Bass Pfeiffer.
- Lesser, L.M. 1998. Technology-rich standards-based statistics: Improved introductory statistics at the college level. *T.H.E. Journal* [Online], 25(7):54, 4p, Feb. Available: EBSCO Online/Academic Search Premier [24 January 2003].
- Le Vallée, J. 2002. Producing web sites. *The South African Journal of Clinical Nutrition*, 15(2): S9, Supp.
- Liaw, S. 2001. Developing a user acceptance model for web-based learning. *Educational Technology*, Nov-Dec:50-54.
- Lindh, J. & Soames, C. 2004. A dual perspective on an online university course. *Electronic Journal on e-Learning*: 2(1), February:129-134.
- Lockee, B., Moore, M. & Burton, J. 2002. Measuring success: Evaluation strategies for distance education. *Educause Quarterly*, 1:20-26.

Lynch P.J. & Horton, S. 1999. *Web style guide: Basic design principles for creating web sites*. London: Yale University Press.

Maerhoff, G.I. 2002. A classroom of one: How online learning is changing our schools and colleges. [Online]. SANTEC Information update No 3, July. Available: <http://www.santecnetwork.org>.

Mager, R.F. 1991. *Making instruction work*. London: Kogan Page.

Maher, K. 1998. Inventing the virtual classroom. *Interactive Magazine*:23-28, August.

Maher, J.H. & Kur, C.E. 1983. Constructing good questionnaires. *Training and Development Journal*, 37(6):100-110. June.

Maslowski, R. & Visscher, A.J. 1999. Formative evaluation in educational computing research and development. *Journal of Research on Computing in Education*, 32(2):239-254.

Maslowski, R., Visscher, A.J., Collis, B. & Bloemen, P.P.M. 2000. The formative evaluation of a web-based course-management system within a university setting. *Educational Technology*: 5-19, May-June.

McAlpin, J. 1998. On-line and F2F students: Is there really any difference? In: 2<sup>nd</sup> UNC Workshop on Technology for Distance Education, North Carolina State University. Raleigh, NC: North Carolina State University, pp. 6-7.

McGrath, A. J. 1998. Partners in Learning: Twelve ways technology changes the teacher-student relationship. *T.H.E. Journal* [Online], 25(9):58-62, Available: EBSCO Online/Academic Search Premier [24 July 2001].

McMahon Casey, K. 1997. Malnutrition associated with HIV/AIDS. Part one: Definition and scope, epidemiology, and pathophysiology. *Journal of the Association of Nurses in AIDS Care*, 8(3):24-32, May/June.

McManus, T.F. 1999. *Delivering instruction on the World Wide Web*. University of Texas at Austin. [Online]. Available: <http://ccwf.cc.utexas.edu/~mcmanus/wbi.html> [15 July 2000].

McMullen, T.B. (1998). *Introduction to the Theory of Constraints (TOC) management system*. London/New York: St. Lucie Press. 212p.

Meyer, K. A. 2003. The web's impact on student learning: a review of recent research reveals three areas that can enlighten current online learning practices. *T H E Journal* [Online], 30(10):14-21, May. Available: Gale Group: Infotrac/Expanded Academic ASAP [25 July 2003].

MICROSOFT CORPORATION. 1999. San Diego State University Case Study. [Online]. Available: <http://www.microsoft.com/education/hed/studies/caseh55.htm> Microsoft Corporation [16 August 2000].

Miller, S.M. & Miller, K.L. 2000. Theoretical and practical considerations in the design of web-based instruction. In: B. Abbey (Ed.). *Instructional and cognitive impacts of web-based education*, London: Idea Group Publishing, pp. 156-177.

Milliron, M.D. & Miles, C. L. 1999. Aha! The Internet changes nothing. *Community College Week, Supplement Technology* [Online], 11(18):3-5, Spring. Available: EBSCO Online/Academic Search Premier [2 October 2000].

Moore, C. 1994. Attitudes towards computers, the influence of sex stereotypes, experience, ownership, and mathematics. *Unisa Psychologia*, 21(2):20-27.

Moore, M. & Kearsley, G. 1995. Research on Effectiveness. In: *Distance education: a systems view*. Boston: Wadsworth Publishing, pp. 1-25.

Morris, B.A. 1999. Distance learning. *Rough Notes* [Online], 142(9):32-34, Sept. Available: Bell & Howell information service/ProQuest [24 January 2001].

Mouton, J. & Marais, H.C. 1988. *Basic concepts in the methodology of the social sciences*. Pretoria: Human Science Research Council.

Mulligan, R. & Geary, S. 1999. Requiring writing, ensuring distance-learning outcomes. *International Journal of Instructional Media* [Online], 26(4):387-395. Available: EBSCO Online/Academic Search Premier [1 October 2000].

Murphy, C.A. Coover, D. & Owen, S.V. 1989. Development and validity of the computer self-efficacy scale. *Educational an Psychological Measurement*, 49:893-899.

Mutula, S.M. 2002. E-learning initiative at the University of Botswana: challenges and opportunities. *Campus-Wide Information Systems*, 19(3):99-109.

Ngokha, G. & Heydenrych, J. 2004. Online Teaching and learning. In: J. Heydenrych & D. Govender (Ed.). *Distance learning technologies in context*, Volume 1, Pretoria: Unisa Press, pp. 23-44.

- Nichols, M. 2003. A theory for eLearning. *Educational Technology & Society* [Online], 6(2):1-10. Available: <http://ifets.ieee.org/periodical/6-2/1.html> [17 May 2003].
- Nielsen, J. 2000. *Designing web usability*. New York: New Riders. 419p.
- Nielsen, J. 2003a. Summary of usability inspection methods. [Online]. Available: [http://www.useit.com/papers/heuristic/inspection\\_summary.html](http://www.useit.com/papers/heuristic/inspection_summary.html) [18 June 2003].
- Nielsen, J. 2003b. Usability 101. Jacob Nielsen's Alert Box. [Online]. Available: <http://www.useit.com/alertbox/20030825.html> [25 Augustus 2003].
- Nielsen, J. 2003c. eLearning Usability. Jacob Nielsen on eLearning Usability. [Online]. Available: <http://www.du.edu/~rdreylin/usability.html> [4 September 2003].
- Norman, D.A. 1988. *Design of everyday things*. New York: Currency Doubleday.
- Norman, S. 2004. International open forum on e-learning standards. *Summary report on the International forum on e-learning standards*, Montreal, March 4 & 5.
- Ogle, B. 2002. IT and nutrition training. *The South African Journal of Clinical Nutrition*, 15(2): S10, Supp.
- Ohl, T.M. & Cates, W.M. 1997. Applying metaphorical interface design principles to the world wide web. *Educational Technology*: 25-37, Nov-Dec.
- Oniang'o, R. 1998. The technical cooperation project between the government of South Africa and the Food and Agriculture Organisation. In: A.M. Omwega & P.M.N. Kuzwayo (Eds.). *Public Nutrition. Nutrition Society of South Africa: Plenary and Symposium Proceedings Sun City South Africa, 26-30 May 1998*, pp. 27-32.
- Orr, B. 1999. *A significant difference*. [Online]. Available: [tenb.mta.ca/anygood/asigdiff.shtml](http://tenb.mta.ca/anygood/asigdiff.shtml) [12 October 2000].
- Owston, R. 1999. *The teaching web: A guide to the world wide web for all teachers*, York University, California. [Online]. Available: [www.edu.yorku.ca/~rowston/home.html](http://www.edu.yorku.ca/~rowston/home.html) [21 October 2000].
- Padilla, M. 2003. Strike a balance: Users' expertise on interface design. IBM developerWorks, pp. 1-10. [Online]. Available: <http://www-106.ibm.com/developerworks/web/library/wa-ui/#2> [17 March 2004].

Pantazis, C. 2002. Maximizing e-learning to train the 21<sup>st</sup> century workforce. *Public Personnel Management* [Online], 31(1):21-27, Spring. Available: EBSCO Online/Business Source Premier [2 October 2003].

Passerini, K. & Granger, M.J. 2000. A developmental model for distance learning using the Internet. *Computers & Education*, 34:1-15.

Patsula, P. J. 1999. Applying learning theories to online instructional design. [Online]. Available: [http://www.patsula.com/usefo/webbasedlearning/tutorial1/learning\\_theories\\_full\\_version.html](http://www.patsula.com/usefo/webbasedlearning/tutorial1/learning_theories_full_version.html) [25 July 2003].

Piwoz, E.G. & Preble, E.A. 2000. HIV/AIDS and nutrition: A review of the literature and recommendations for nutritional care and support in Sub-Saharan Africa. Washington, DC: SARA Project Bureau for Africa, Office for sustainable development, US Agency for international development.

Potter, C. 2002. Programme evaluation. In: M. Terre Blanche & K. Durrheim (Ed.). *Research in practice: applied methods for the Social Sciences*, Cape Town: University of Cape Town Press, pp. 209-226.

Powell, G.C. 2001. The ABCs of online course design. *Educational Technology*, 11(4): 43-47, July-August.

Perraton, H., Creed, C. & Robinson, B. 2002. Teacher Education Guidelines: Using Open and Distance Learning. Technology, Curriculum, Cost, Evaluation. United Nations Educational, Scientific and Cultural Organization, Paris (France). Division of Higher Education and Research, pp 1-68.

Preston, P. (No date). Ways to test: Having decided to test your site, what are the considerations and methods for making it more usable? *New Media Age*, June 19, pS6, 2. Available: Gale Group: Infotrac/Expanded Academic ASAP [25 July 2003].

Raab, R.T., Ellis, W.W. & Abdon, B.R. 2002. Multisectoral partnerships in e-learning. A potential force for improved human capital development in the Asia Pacific. *Internet and Higher Education*, 4:217-229.

Rabe, M. 2003. Statement on web-based resource: Interview, 4 September.

Rahman, S. 1998. Theory of constraints. A review of the philosophy and its applications. *International Journal of Operations & Production Management*, 18(3/4):336-355.



- Ravden, S.J. & Johnson, G.I. 1989. *Evaluating usability of human-computer interfaces: A practical method*. New York: John Wiley & Sons.
- Reeves, T.C. 1994. Text design guidelines. [Online].  
Available: [http://mime1.marc.gatech.edu/MM\\_Tools/TDG.html](http://mime1.marc.gatech.edu/MM_Tools/TDG.html) [25 July 2003].
- Reeves, T.C. & Hedberg, H.G. 2003. *Interactive learning systems evaluation*. Englewood Cliffs, New Jersey: Educational Technology Publications.
- Reigeluth C.M. & Frick, T.W. 2003. *Formative research: A methodology for creating and improving design theories*. Indiana University.
- Rickard, W. 1999. Technology, education, and the changing nature of resistance: Observations from the Educom Medal award winners. *EduCom Review*: 34(1):4245. Jan/Feb. [Online].  
Available: <http://www.educause.edu/ir/library/html/erm9915.html> [26, October 2000].
- Robinson, T. 1999. Trainers say self-paced web courses work best. *Internet week* [Online], 759:32-33, April. Available: EBSCO Online/Academic Search Premier [9 September 2000].
- Rogers, B. 1998. Plenary keynote address: Public nutrition – What, why & how? In: A.M. Omwega & P.M.N. Kuzwayo (Ed.). *Public Nutrition*. Nutrition Society of South Africa: Plenary and Symposium Proceedings, Sun City South Africa, 26-30, May 1998, pp. 4-20.
- Rowley, D., Lujan, H., & Dolence, M. 1998. *Strategic choices for the academy: How demand for lifelong learning will re-create higher education*. San Francisco: Jossey-Bass Publishers. 272p.
- Rubin, J. 1994. *Handbook of usability testing: How to plan, design, and conduct effective tests*. New York: Wiley & Sons. 330p.
- Rubenstein, H. 2003. Recognising e-learning's potential and pitfalls. *Learning and Training Innovations*, 4(4):38, May/June.
- Ruffini, M.F. 2000. Systematic planning in the design of an educational web site. *Educational Technology*: 58-64, March-April.
- Russell, M. 1999. Online learning communities: Implications for adult learning. *Adult Learning*, 10(4):28-31, Summer.
- Russell, T. 1999. *The no significant difference phenomenon*. [Online].  
Available: <http://teleeducation.nb.ca/nosignificantdifference/> [12 July 2000].

Sakamoto, T. 2003. E-learning in Japanese universities. *Industry & Higher Education*, 17(6):397-404.

Sangster, A. & Lymer, A. 1998. How to survive a new educational era. *Issues in Accounting Education* [Online], 13(4):1095-1110, Nov. Available: EBSCO Online/Academic Search Premier [2 October 2000].

Schank, R. 1999. Courses of action. *People Management*, 5(20):54-56, Oct 14.

Schreiber, D.A. 1998. Instructional Design of Distance Learning. In: D.A. Schreiber & Z.L. Berge (Ed.). *Distance Training*, San Francisco: Jossey-Bass Publishers, pp. 37-65.

Schrum, L. 2002. Oh, what wonders you will see: Distance education past, present, and future. (Feature: then, now, & beyond). *Learning & Leading with Technology*, 30 (i3):6, p. 6, Nov. Available: Gale Group/Expanded Academic ASAP [25 July 2003].

Schulze, S. 2000. Education and the Internet: perspectives and trends at South African universities. *South African Journal of Education*, 20(3):248-252.

Schutte, J.G. 1997. Virtual teaching in higher education: The new intellectual superhighway or just another traffic jam? Northridge, CA: California State University.

Shah, Z., George, V.A. & Himburg, S.P. 1999. Computer-assisted education for dietetic students: A review of literature and selected software, *Journal of Nutrition Education*, 31(5), p255(5), Sept-Oct. Available: Gale Group/Health Reference Center-Academic [27 July 2003].

Shih, T.K., Antoni, G.D., Arndt, T., Asirvatham, A., Chang, C., Chee, Y.S., Dow, C., Chia, F., Hung, J.C., Wu, K., Jin, Q., Jung, I., Leong, H.V., Li, S., Lin, F.O., Liu, J., Sala, S. & Wang, Y. 2003. A survey of distance education challenges and technologies. *Journal of Distance Education Technologies*, 1(1):1-21, Jan-Mar.

Shrivastava, P. 1998. Critical mass benefits of Web-based teaching. (Presented 12 February 1998 at the Stop Surfing-Start Teaching National Conference, University of North Carolina.) Myrtle Beach. 4p.

Shrivastava, P. 1999. Management classes as online learning communities. *Journal of Management Education* [Online], 23(6):691-702, Dec. Available: EBSCO Online/Academic Search Premier [12 September 2000].

Sigot, A.J. 2002. Nutrition education and the global information highway: Use of on-line applications and selected packages. *The South African Journal of Clinical Nutrition*, 15(2): S23, Supp.

Smulders, D. 2001. E-Learning Web Course Usability. [Online]. *Learning Circuits ASTD's Online Magazine All About E-Learning*. Available: <http://www.learningcircuits.org/glossary.html> [5 August 2003].

Snail, N.I. 2003. Statement on web-based resource: Contact session, 13 February.

Snyden, C. 2001. Paper prototyping. [Online]. IBM Developer works. Available: <http://www-106.ibm.com/developerworks/usability/us-paper/> [4 October 2001].

Steed, C. 1999. *Web-base training*. Hampshire: Gower Publishing Limited.

Steenkamp, J. 2000. Management of HIV positive patients in Southern Africa – Cost-effective management or denial. *South African Journal of Clinical Nutrition*, 13(3):130, August.

Steiner, V. 1995. "What is Distance Education?" Distance Resource Learning Network. [Online]. Available: <http://www.dln.org/library/dl/whatis.html> [25 Augustus 2003].

Stewart, J. & Wright, V.H. 2004. E-learning in Allied Health Care. *Athletic therapy today – Human Kinetics*, 9(1):7-9, Jan.

Stokes, S. 2000. Learning Space enlivens online training: Although expensive, Version 4.0 delivers compelling courses while lowering support costs and stretching training dollars. *InfoWorld* [Online], 24(22) i30:57, July. Available: [INFOTRAC/General BusinessFile Internat'l](http://www.infotrak.com/GeneralBusinessFile/Internet/) [21 October 2000].

Struwig, F.W. & Stead, G.B. 2001. *Planning, designing and reporting research*. Cape Town, South Africa: Pearson Education.

Swales, C. 2000. Knowledge series: Editing distance education materials. Vancouver, BC: Commonwealth of Learning.

Switzer, K. 2002. Students as learners and users: enhancing usability for your online course. [Online]. Available: [http://www.ecollege.com/news/EdVoice\\_arch\\_0619.learn](http://www.ecollege.com/news/EdVoice_arch_0619.learn) [25 July 2003].

Tan, S.C. & Hung, D. 2002. Beyond information pumping: creating a constructivist e-learning environment. *Educational Technology*: 48-54, Sept-Oct.

Terre Blanche, M. & Kelly, K. 2002. Interpretive methods. In: M. Terre Blanche & K. Durrheim (Ed.). *Research in practice: applied methods for the Social Sciences*, Cape Town: University of Cape Town Press, pp. 123-146.

Trifonopoulos, M., Martin, J., Hamilton, S., Collier, A., Kishchuk, N., De Roose, E., Hohns, T. & Kuhnlein, H.V. 2002. *The South African Journal of Clinical Nutrition*, 15(2):S26, Supp.

Twigg, C.A. 1994. The changing definition of learning. *Educom Review* [Online], 29(4). Available: <http://www.educause.edu/pub/er/review/reviewArticles/29422.html> [26 October 2000].

UCISA, (No date): The training and learning options. [Online]. Available: <https://www.ucisa.ac.uk/groups/sdg/docs/publications/it6.doc> [18 May 2003].

*Usability basics*. 2002. [Online]. Available: <http://www.usability.gov/> [2 May 2003].

*Usability evaluation in e-learning development*. 2002. Nov 10. [Online]. Available: <http://www.ecc.org.sg/cocoon/ecc/website/services/newsletter/feel04/article10.pdf> [27 July 2003].

Usability first™, 2002. Introduction to usability. [Online]. Available: <http://www.usabilityfirst.com/intro/index.txt> [23 September 2002].

Vaas, L. 2001. The E-Training of America. *PC Magazine* [Online], 20(22):1, 4p, 26 Dec. Available: EBSCO Online/Academic Search Premier [24 July 2003].

Vallerand, R.J. 1997. Toward a hierarchical model of intrinsic and extrinsic motivation. *Advances in Experimental Social Psychology*, 27:271-360.

Van Brakel, P.A. & Chisenga, J. 2003. Impact of ICT-based distance learning: the African story. *The Electronic Library*, 21(5):476-486.

Vankatesh, V. 1999. Creation of favorable user perceptions: Exploring the role of intrinsic motivation. *MIS Quarterly*, 23(2):239-260.

Van Vuuuren, D. & Maree, A. 2002. Survey methods in market and media research. In: M. Terre Blanche & K. Durrheim (Ed.). *Research in practice: applied methods for the Social Sciences*, Cape Town: University of Cape Town Press, pp. 269-286.

Veldman, F. 2002. The effect of nutritional status on HIV/AIDS. *The South African Journal of Clinical Nutrition*, 15(3), Supplement 2:S4.

- Venter, I., Marais, D., De Muynk, R. & Shedden, A. 2001. Computer-aided learning in disadvantaged communities in the Southern Cape and Karoo: A nutrition education initiative. *South African Journal of Clinical Nutrition*, 14(3):106-111.
- Vorster, H.H., Bourne, L.T., Venter, C.S., & Oosthuizen, W. 1999. Contribution of nutrition to the health transition in developing countries: A framework for research and intervention. *Nutrition Reviews*, 57(11): 341-349, Nov.
- Wang, C. & Liu, Z. 2003. Distance education: basic resources guide. *Collection Building*, 22(3):120-130.
- Ward, J. 1998. Community college student perceptions of online instruction experiences. *Education at a Distance*, 12(3):6.
- Wenhold, F.A.M., Wolmarans, H. & Nordhoff, H.I. 2002. Design, development and evaluation of a multimedia programme in anthropometry. *The South African Journal of Clinical Nutrition*, 15(2): S17, Supp.
- West, G. B. 1999. Teaching and technology in higher education: changes and challenges. *Adult Learning*, 10(4):16-18, Summer.
- Weston, T.J. & Barker, L. 2001. Designing, Implementing, and Evaluating Web-based Learning Modules for University Students. *Educational Technology*, 41(4):15-22, Jul-Aug.
- Wilkinson, A., Forbes, A., Bloomfeld, J., Fincham Gee, C. 2004. An exploration of four web-based open and flexible learning modules in post-registration nurse education. *International Journal of Nursing Studies*, 41(4):411-424, May.
- Willis, J. 2000. The maturing of constructivist instructional design: Some basic principles that can guide practice. *Educational Technology*, 40(1): 5-16.
- Wills, B. 2003. Distance education at a glance: Guide #1, distance education: an overview. Online: <http://www.uidaho.edu/eo/distgfan.html> [22 August 2003].

Wilson, B.G., Jonassen, D. H., & Cole, P. (1993). Cognitive approaches to instructional design. [Online] In: G. M. Piskurich (Ed.). *The ASTD handbook of instructional technology*, pp. 21.1-21.22. New York: McGraw-Hill. Available: <http://carbon.cudenver.edu/~bwilson/training.html> [1 Augustus 2003].

Worley, R.B. 2000. The medium is not the message. *Business Communication Quarterly* [Online]. 63(3)93-103, Sep. Available: Bell & Howell information service/ProQuest [24 January 2001].

Wyatt, J.B. 1997. A new way of teaching for a new generation. *Christian Science Monitor* [Online], 89(65):18. Available: EBSCO Online/Academic Search Premier [23, January 2001].

Zentel, P., Bett, K., Meister, D.M., Rinn, U. & Wedekind. 2004. A change process at German university: innovation through information and communication technologies? *Electronic Journal on e-Learning*, 2(1):237-246, Feb.