

# Appendix A

## References

- Ali, A., & Elfessi, A. (2004). Examining students' performance and attitudes towards the use of information technology in a virtual and conventional setting. *Journal of Interactive Online Learning*, 2(3) 1–9.
- American Library Association. (1989). *American Library Association presidential committee on information literacy* (final report). Chicago: American Library Association.
- American Library Association. (1998). *A progress report on information literacy: An update on the American Library Association presidential committee on information literacy*. Chicago: American Library Association.
- Barab, S., Thomas, M., Dodge, T., Carteaux, R., & Tuzun, H. (2005). Making learning fun: Quest Atlantis, a game without guns. *Educational Technology, Research and Development*, 53(1), 86.
- Bates, A. W. (1999). *Managing technological change: Strategies for academic leaders*. San Francisco: Jossey-Bass Publishers.
- Bates, A. W. (2001). *National strategies for e-learning in post-secondary education and training*. Paris: International Institute for Educational Planning, UNESCO.
- Bernard, R. M., Abrami, P. C., Lou, Y., Borokhovski, E., & Ai, E. (2004). How does distance education compare with classroom instruction? A meta-analysis of the empirical literature. *Review of Educational Research*, 74(3), 379.
- Best, Jo. (2005, June 20). Duke's free iPod program has mixed results. *CNET News.com*. Retrieved August 30, 2005, from [http://news.com.com/2100-1025\\_3-5754005.html](http://news.com.com/2100-1025_3-5754005.html)
- Brandt, D. S. (2001). Information technology literacy: Task knowledge and mental models. *Library Trends*, 50(1), 73–88.
- Brignall, T. W., & Van Valey, T. (2005). The impact of Internet communications on social interaction. *Sociological Spectrum*, 25(3), 335–348.
- Cappel, J. J., & Hayden, R. L. (2004). Evaluating e-learning: A case study. *The Journal of Computer Information Systems*, 44(4), 49.
- Carmean, C., & Haefner, J. (2002). Mind over matter: Transforming course management systems into effective learning environments. *EDUCAUSE Review*, 37(6), 26–34.
- Chickering, A. W., & Ehrmann, S. C. (1996). Implementing the seven principles: Technology as lever. *AAHE Bulletin*, 49(2), 3–6.
- Chickering, A. W., & Gamson, Z. F. (1987). Seven principles for good practice in undergraduate education. *AAHE Bulletin*, 39(7), 3–7.
- Chou, S. W., & Liu, C. H. (2005). Learning effectiveness in a Web-based virtual learning environment: A learner control perspective. *Journal of Computer Assisted Learning*, 21(1), 65–76.
- Collis, B., & Van der Wende, M. (Eds.). (2002). *Models of technology and change in higher education: An international comparative survey on the current and future uses of ICT in higher education*. Enschede: University of Twente.

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- Cook, J., & Smith, M. (2004). Beyond formal learning: Informal community eLearning. *Computers & Education*, 43(1–2), 35–47.
- Cooper, J., & Weaver, K. D. (2003). *Gender and computers: Understanding the digital divide*. Mahwah, NJ: Lawrence Erlbaum Associates.
- Curran, C. (2001). *Universities and the challenge of e-learning: What lessons from the European universities?* Paper presented at the University Teaching as E-Business, October 2001, Center for Studies in Higher Education, University of California at Berkeley.
- Dearing Report. (1997). *Higher education in the learning society: Report of the national committee of inquiry into higher education*. Retrieved August 30, 2005, from <http://www.leeds.ac.uk/educol/ncihe/>
- de Souza, C. S., & Preece, J. (2004). A framework for analyzing and understanding online communities. *Interacting with Computers*, 16(3), 579–610.
- Deng, X. D., Doll, W. J., Hendrickson, A. R., & Scazzero, J. A. (2005). A multi-group analysis of structural invariance: An illustration using the technology acceptance model. *Information & Management*, 42(5), 745–759.
- Dewitt, K. (2004, July 21). A hot new twist on the old college try. *Business Week Online*. Retrieved August 30, 2005, from [http://www.businessweek.com/print/smallbiz/content/jul2004/sb20040721\\_8133.htm](http://www.businessweek.com/print/smallbiz/content/jul2004/sb20040721_8133.htm)
- Downes, D. M. (2005). *Interactive realism: The poetics of cyberspace*. Montreal: McGill-Queen's University Press.
- EDUCAUSE Learning Initiative. (2005, May). 7 things you should know about social bookmarking. Retrieved August 30, 2005, from <http://www.educause.edu/LibraryDetailPage/666?ID=ELI7001>
- Elen, J., & Lowyck, J. (1998). Students' views on the efficiency of instruction: An exploratory survey of the instructional metacognitive knowledge of university freshmen. *Higher Education*, 36, 231–252.
- Ellis, D., Oldridge, R., & Vasconcelos, A. (2004). Community and virtual community. *Annual Review of Information Science and Technology*, 38, 145–186.
- Etter, S. J. (2004). *The role of information technology in the changing perceptions of academic dishonesty*. Presentation to the 2004 Information Resources Management Association International Conference, New Orleans, LA.
- European Commission. (2002). *eEurope 2005 Action Plan*. Retrieved August 30, 2005, from [http://www.europa.eu.int/information\\_society/eeurope/2005/all\\_about/action\\_plan/index\\_en.htm](http://www.europa.eu.int/information_society/eeurope/2005/all_about/action_plan/index_en.htm)
- European Commission. (2003). *The role of the universities in the Europe of knowledge*. Retrieved August 30, 2005, from <http://europa.eu.int/comm/education>
- Frاند, J. (2000). The information age mindset. *EDUCAUSE Review*, 35(5), 15–24.
- Gao, Y. A. (2004). Appeal of online computer games: A user perspective. *Electronic Library*, 22(1), 74–78.
- George, M. A. (2005, April 15). Internet dominates campus life: Lots of computer time, little of it for academics. *Detroit Free Press*. Retrieved September 21, 2005, from [http://www.freep.com/news/education/internet15e\\_20050415.htm](http://www.freep.com/news/education/internet15e_20050415.htm)
- Giordan, M. (2004). Tutoring through the Internet: How students and teachers interact to construct meaning. *International Journal of Science Education*, 26(15), 1875–1894.
- Gross, E. F. (2004). Adolescent Internet use: What we expect, what teens report. *Journal of Applied Developmental Psychology*, 25(6), 633–649.
- Gunawardena, C.N., & Zittle, F.J. (1997). Social presence as a predictor of satisfaction within a computer-mediated conferencing environment. *The American Journal of Distance Education*, 11, 8–26.
- Gunn, C., French, S., Macleod, H., McSporry, M., & Conole, G. (2002). Gender issues in computer-supported learning. *Association of Learning Technology Journal*, 10(1), 32–44.
- Guri-Rosenblit, S. (2002). A top down strategy to enhance information technologies into Israeli higher education. *International Review of Research in Open and Distance Learning*, 2(2). Retrieved August 30, 2005, from <http://www.irrodl.org/content/v2.2/rosenblit.html>
- Guri-Rosenblit, S. (2003). *Paradoxes and dilemmas in managing e-learning in higher education*. Berkeley, CA: Center for Studies in Higher Education.
- Hagner, P. (2001). *Interesting practices and best systems in faculty engagement and support* (final report to National Learning Infrastructure Initiative). Boulder, CO: EDUCAUSE.

- Hall, I., & Higgins, S. (2005). Primary school students' perceptions of interactive whiteboards. *Journal of Computer Assisted Learning, 21*(2), 102–117.
- Hanson, P. (2003). Pilot study report. Available from World Wide Web: Project course management system@WBW .edu. Retrieved September 21, 2005, from <http://lts.brandeis.edu/webarchive/teaching/wbwinfo.html>
- Hargittai, W. (2002). Second-level digital divide: Differences in people's online skills. *First Monday, 7*(4).
- Harley, D., Henke, J., Lawrence, S., Maher, M., Gawlik, M., & Muller, P. (2002). *An analysis of technology enhancement in a large lecture course at UC Berkeley: Costs, cultures, and complexity* (final report). Berkeley, CA: Center for Studies in Higher Education.
- Hartman, J., Dziuban, C., & Moskal, P. (2005). Preparing the academy of today for the learner of tomorrow. In D. G. Oblinger & J. L. Oblinger (Eds.), *Educating the net generation*. Boulder, CO: EDUCAUSE.
- Haythornthwaite, C., & Hagar, C. (2005). The social worlds of the Web. *Annual Review of Information Science and Technology, 39*, 311–346.
- Heafner, T. (2004). Using technology to motivate students to learn social studies. *Contemporary Issues in Technology and Teacher Education, 41*(1).
- Heinstrom, J. (2005). Fast surfing, broad scanning and deep diving: The influence of personality and study approach on students' information-seeking behavior. *Journal of Documentation, 61*(2), 228–247.
- Hill, T. R., & Roldan, M. (2005). Toward third generation threaded discussions for mobile learning: Opportunities and challenges for ubiquitous collaborative environments. *Information Systems Frontiers, 7*(1), 55–70.
- Hillman, D.C.A. (1999). A new method for analyzing patterns of interaction. *The American Journal of Distance Education, 13*, 37–47.
- Hoffman, M., & Blake, J. (2003). Computer literacy: Today and tomorrow. *The Journal of Computing in Small Colleges, 18*(5), 221–223.
- Holm-Olsen, L. (1995). *Hávamál. Vikingenes visdomord*. Reykjavik: Gudrun Publishing.
- Hooker, M. (1997). The transformation of higher education. In D. Oblinger & S. Rush (Eds.), *The learning revolution: The challenge of information and the academy*. Bolton, MA: Anker Publishing.
- Hsu, C. L., & Lu, H. P. (2004). Why do people play on-line games? An extended TAM with social influences and flow experience. *Information & Management, 41*(7), 853–868.
- Jacobsen, P. H. (2004). *STUD2004—Studentsurvey. Studentenes bruk av IT i undervisning og studier* (report prepared by the Center for Information Technology Services), University of Oslo. Available in Norwegian only.
- Jansz, J., & Martens, L. (2005). Gaming at a LAN event: The social context of playing video games. *New Media & Society, 7*(3), 333–355.
- Johnson, J. L. (2000, May). *Distance learning: How effective and who succeeds: An investigation of student learning styles, achievement, and satisfaction*. Paper presented at the Annual Forum of the Association for Institutional Research, Cincinnati, OH.
- Jones, A., & Issroff, K. (2005). Learning technologies: Affective and social issues in computer-supported collaborative learning. *Computers & Education, 44*(4), 395–408.
- Jones, S. (2002). *The Internet goes to college: How students are living in the future with today's technology*. Washington, DC: Pew Internet & American Life Project.
- Jones, S. (2003). *Let the games begin: Gaming technology and entertainment among college students*. Washington, DC: Pew Internet & American Life Project. Retrieved August 30, 2005, from [http://www.pewinternet.org/PPF/r/93/report\\_display.asp](http://www.pewinternet.org/PPF/r/93/report_display.asp)
- Kaminski, K., Seel, P., & Cullen, K. (2003). Technology literate students? Results from a survey. *EDUCAUSE Quarterly, 26*(3), 34–40.
- Khan, A. S. (2004). *Students' perceptions of the importance of the faculty dimensions of technical currency, teaching techniques, and commitment to student success for their learning/success in a technology based baccalaureate program*. Unpublished doctoral dissertation, Colorado State University.
- Kim, S. S., & Malhotra, N. K. (2005). A longitudinal model of continued IS use: An integrative view of four mechanisms underlying post adoption phenomena. *Management Science, 51*(5), 741–755.

- Kreijns, K., Kirschner, P., Jochems, W., & Van Buuren, H. (2004). Determining sociability, social space, and social presence in (a)synchronous collaborative groups. *Cyberpsychology & Behavior*, 7(2), 155–172.
- Kreijns, K., Kirschner, P., Jochems, W., & Van Buuren, H. (2004). Measuring perceived quality of social space in distributed learning groups. *Computers in Human Behavior*, 20(5), 607–632.
- Kunkel, K. R. (2004). A research note assessing the benefit of presentation software in two different lecture courses. *Teaching Sociology*, 32(2), 188–196.
- Kvavik, R. B., Caruso, J. B., & Morgan, G. (2004). *ECAR study of students and information technology, 2004: Convenience, connection and control*. Boulder, CO: EDUCAUSE Center for Applied Research. Retrieved August 30, 2005, from <http://www.educause.edu/LibraryDetailPage/666?ID=ERS0405>
- Kvavik, R. B., & Goldstein, P. J. (with Voloudakis, J.). (2005). *Good enough! IT investment and business process performance in higher education*. Boulder, CO: EDUCAUSE Center for Applied Research. Retrieved August 30, 2005, from <http://www.educause.edu/LibraryDetailPage/666?ID=ERS0504>
- Ladner, B., Beagle, D., Steele, J. R., & Steele, L. (2004). Rethinking online instruction—from content transmission to cognitive immersion. *Reference & User Services Quarterly*, 43(4), 329–337.
- Large, A. (2005). Children, teenagers, and the Web. *Annual Review of Information Science and Technology*, 39, 347–392.
- Lee, A. C. K. (2003). Undergraduate students' gender differences in it skills and attitudes. *Journal of Computer Assisted Learning*, 19(4), 488–500.
- Lenhart, A. (2003). *The ever shifting Internet population: A new look at Internet access and the digital divide*. Washington, DC: Pew Internet & American Life Project. Retrieved August 30, 2005, from [http://www.pewinternet.org/PPF/r/88/report\\_display.asp](http://www.pewinternet.org/PPF/r/88/report_display.asp)
- Lenhart, A., Madden, M., and Hitlin, P. (2005). *Teens and technology: Youth are leading the transition to a fully wired and mobile nation*. Washington, DC: Pew Internet & American Life Project. Retrieved August 30, 2005, from [http://www.pewinternet.org/PPF/r/162/report\\_display.asp](http://www.pewinternet.org/PPF/r/162/report_display.asp)
- Leung, L. (2004). Net-generation attributes and seductive properties of the Internet as predictors of online activities and Internet addiction. *Cyberpsychology & Behavior*, 7(3), 333–348.
- Levin, D. & Arafeh, S. (2002). *The digital disconnect: The widening gap between Internet-savvy students and their schools*. Washington, DC: Pew Internet and American Life Project.
- Levine, A., & Cureton, J. S. (1998). *When hope and fear collide: Portrait of today's college student*. San Francisco: Jossey-Bass Publishers.
- Li, D. H., Day, J., Lou, H., & Coombs, G. (2004). The effect of affiliation motivation on the intention to use groupware in an MBA program. *Journal of Computer Information Systems*, 44(3), 1–8.
- Lundgren, T. D., & Nantz, K. S. (2003). Student attitudes toward Internet courses: A longitudinal study. *Journal of Computer Information Systems*, 43(3), 61–66.
- Mack, R. L. (2001). *The digital divide: Standing at the intersection of race and technology*. Durham, NC: Carolina Academic Press.
- Macleod H., Haywood, D., Haywood J., & Anderson C., (2002). Gender and information and communications technology: A 10-year study of new undergraduates. *Techtrends*, 46(6), 11–15.
- Margolis, J., & Fisher, A. (2002). *Unlocking the clubhouse: Women in computing*. Cambridge, MA: MIT Press.
- Martzoukou, K. (2005). Review of Web information seeking research: Considerations of method and foci of interest. *Information Research—an International Electronic Journal*, 10(2). Retrieved September 21, 2005, from <http://informationr.net/ir/10-2/paper215.html>
- Masi, A. C., & Winer, L. R. (2005). A university-wide vision of teaching and learning with information technologies. *Innovations in Education and Teaching International*, 42(2), 147–155.
- McPherson, M., & Nunes, M. B. (2004). The failure of a virtual social space (VSS) designed to create a learning community: Lessons learned. *British Journal of Educational Technology*, 35(3), 305–321.
- Meltzer, D. E. (2005). Relation between students' problem-solving performance and representational format. *American Journal of Physics*, 73(5), 463–478.

- Merisotis, J. P. (1999, September/October). The "what's-the-difference?" debate. *Academe*, 85(5), 47–51.
- Mitchell, T. J. F., Chen, S. Y., & Macredie, R. D. (2005). Hypermedia learning and prior knowledge: Domain expertise vs. system expertise. *Journal of Computer Assisted Learning*, 21(1), 53–64.
- Morgan, G. (2003). *Faculty use of course management systems*. Boulder, CO: EDUCAUSE Center for Applied Research. Retrieved August 30, 2005, from <http://www.educause.edu/LibraryDetailPage/666?ID=ERS0302>
- National Research Council. (1999). *Being fluent with information technology*. Washington, DC: National Academies Press.
- National Survey of Student Engagement (NSSE). (2004). Retrieved August 30, 2005, from <http://www.indiana.edu/~nsse/html/report-2004.shtml>
- Nesset, V., & Large, A. (2004). Children in the information technology design process: A review of theories and their applications. *Library & Information Science Research*, 26(2), 140–161.
- Neville, K., Heavin, C., & Walsh, E. (2005). A case in customizing e-learning. *Journal of Information Technology*, 20(2), 117–129.
- Norris, P. (2001). *Digital divide? Civic engagement, information poverty, and the Internet worldwide*. New York: Cambridge University Press.
- Oblinger, D. (2003). Boomers, gen-xers and millennials: Understanding the new students. *EDUCAUSE Review*, 38(4), 37–47.
- Oblinger, D. (May 24, 2005). *The net generation student*. Presentation to the University of Wisconsin–Madison Teaching and Learning Symposium.
- Oblinger, D. G., & Oblinger, J. L. (Eds.). (2005). *Educating the net generation*. Boulder, CO: EDUCAUSE. Retrieved August 30, 2005, from <http://www.educause.edu/LibraryDetailPage/666?ID=PUB7101>
- Oblinger, D. G., & Rush, S. (Eds.). (1997). *The learning revolution*. Bolton, MA: Anker Publishing.
- Pascarella, E.T., & Terenzini, P.T. (1976). Informal interaction with faculty and freshman ratings of academic and non-academic experience of college. *Journal of Educational Research*, 70, 35–41.
- Pascarella, E.T., & Terenzini, P.T. (1991). *How college affects students: Findings and insights from twenty years of research*. San Francisco: Jossey-Bass Publishers.
- Pena-Shaff, J. B., & Nicholls, C. (2004). Analyzing student interactions and meaning construction in computer bulletin board discussions. *Computers & Education*, 42(3), 243–265.
- Phillips, R., & Merisotis, J. (1999). *What's the difference? A review of contemporary research on the effectiveness of distance learning in higher education*. Washington, DC: Institute for Higher Education Policy.
- Prensky, M. (2001). Digital natives, digital immigrants. *On The Horizon*, 9(5).
- Reeves, T. C., Herrington, J., & Oliver, R. (2004). A development research agenda for online collaborative learning. *Etr&D—Educational Technology Research and Development*, 52(4), 53–65.
- Roberts, G. R. Technology and learning expectations of the net generation. In D. G. Oblinger & J. L. Oblinger (Eds.), *Educating the net generation*. Boulder, CO: EDUCAUSE.
- Rojstaczer, S. (2003, January 28). Where all grades are above average. *Washington Post.com*, A 21. Retrieved August 30, 2005, from <http://www.washingtonpost.com/ac2/wp-dyn?pagename=article&contentId=A52648-2003Jan27>
- Saade, R., & Bahli, B. (2005). The impact of cognitive absorption on perceived usefulness and perceived ease of use in on-line learning: An extension of the technology acceptance model. *Information & Management*, 42(2), 317–327.
- Schell, G. P. (2004). Universities marginalize online courses. *Communications of the ACM*, 47(7), 53.
- Seely Brown, J. (2000, March/April). Growing up digital. *Change*, 32, 10–20.
- Selwyn, N. (2003). *Understanding students (non)use of information and communications technology in university*. Cardiff: School of Social Sciences, Cardiff University.
- Shenton, A. K. (2004). Research into young people's information-seeking: Perspectives and methods. *Aslib Proceedings*, 56(4), 243–254.
- Shenton, A. K., & Dixon, P. (2004). Issues arising from youngsters' information-seeking behavior. *Library & Information Science Research*, 26(2), 177–200.

- Shih, H. P. (2004). Extended technology acceptance model of Internet utilization behavior. *Information & Management, 41*(6), 719–729.
- Smith, R. O. (2005). Working with difference in online collaborative groups. *Adult Education Quarterly, 55*(3), 182–199.
- Stafford, T. E., Stafford, M. R., & Schkade, L. L. (2004). Determining uses and gratifications for the Internet. *Decision Sciences, 35*(2), 259–288.
- Steinkuehler, C. A., Black, R. W., & Clinton, K. A. (2005). Researching literacy as tool, place, and way of being. *Reading Research Quarterly, 40*(1), 95–100.
- Stoecker, R. (2004). Smart mobs: The next social revolution. *Contemporary Sociology—A Journal of Reviews, 33*(6), 681–682.
- Strijbos, J. W., Martens, R. L., & Jochems, W. M. G. (2004). Designing for interaction: Six steps to designing computer-supported group-based learning. *Computers & Education, 42*(4), 403–424.
- Taylor, P. A., & Harris, J. L. (2005). *Digital concepts: The cultural context of new information technologies*. London: Routledge.
- Twigg, C. A. (2001). *Innovations in online learning: Moving beyond no significant difference*. Troy, NY: Center for Academic Transformation.
- Twigg, C. A. (2003). Improving learning and reducing costs: Models for online learning. *EDUCAUSE Review, 38*(5), 28–38.
- U.S. Dept. of Education. Earned degrees conferred, 2000–1. *Chronicle of Higher Education Almanac Issue 2003–4*, August 29, 2003, 19.
- Vest, C. M. (2001). *Disturbing the educational universe: Universities in the digital age—dinosaurs or Prometheans?* (report of the president for the academic year 2000–01, MIT New Office).
- Virvou, M., Katsionis, G., & Manos, K. (2005). Combining software games with education: Evaluation of its educational effectiveness. *Educational Technology & Society, 8*(2), 54–65.
- Wallace, R. M. (2004). A framework for understanding teaching with the Internet. *American Educational Research Journal, 41*(2), 447–488.
- Warschauer, M. (2003). *Technology and social inclusion: Rethinking the digital divide*. Cambridge, MA: MIT Press.
- Weiler, A. (2005). Information-seeking behavior in generation Y students: Motivation, critical thinking, and learning theory. *Journal of Academic Librarianship, 31*(1), 46–53.
- Williams, S., & Williams, L. (2005). Space invaders: The negotiation of teenage boundaries through the mobile phone. *Sociological Review, 53*(2), 314–331.
- Wixom, B. H., & Todd, P. A. (2005). A theoretical integration of user satisfaction and technology acceptance. *Information Systems Research, 16*(1), 85–102.
- Wright, E. R., & Lawson, A. H. (2005). Computer mediated communication and student learning in large introductory sociology classes. *Teaching Sociology, 33*(2), 122–135.
- Ybarra, M. L., Alexander, C., & Mitchell, K. J. (2005). Depressive symptomatology, youth Internet use, and online interactions: A national survey. *Journal of Adolescent Health, 36*(1), 9–18.
- Zemsky, R., & Massey, R. (2003, December). *Thwarted innovation: What happened to e-learning and why* (final report). The Weatherstation Project. The Learning Alliance at the University of Pennsylvania in collaboration with the Thomson Corporation.
- Zhang, D., Zhao, J. L., Zhou, L., & Nunamaker, J. F., Jr. (2004). Can e-learning replace classroom learning? *Communications of the ACM, 47*(5), 75.
- Zhang, X. Y., Luo, N. L., Jiang, D. X., Liu, H. F., & Zhang, W. Y. (2004). Web-based collaborative learning focused on the study of interaction and human communication. *Advances in Web-based learning—ICWL 2004*, 113–119.