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(Thurab-Nkhosi, 2003)

(Jaberian &

Heidary, 2004)

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(Zaree & Zolali, 2006)

(Moore et al., 2001; Prester & Moller, 2001;
.Spector & Teja, 2001; Williams, 2003)

(Kearsely, 2000)

(Peters, 1983; Garrison, 1989)

(Harasim et al., 1998; Kearsely, 2000; Ko &
.Rossen, 2001; Palloff & Pratt, 2001)

(Scheuermen, 2002)

(Collison et al., 2000; Kearsely, 2000; Lim &
.Cheah, 2003; Maor, 2003)

(Turgeon et al.,
.2000)

(Berge, 1995; Paulsen, 1995; Salmon,
.2000; Anderson et al., 2001)

(Wolf, 2000; Spector
& Teja, 2001; Rudestam & Schoenholtz-Read,
.2002)

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.(Guasch et al., 2009)

Solimeno et

.(Holly et al., 2008)

(2008) al.

(Van den Branden & Lambert,
1999; Jelfs & Whitelock, 2000; Gunawardena et al.,
2001; Hedberg & Brown, 2001; McIsaac, 2002; Ku
& Lohr, 2003)

.(Berge, 1995; Berge, 2001)

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.(Spector & Teja, 2001)

(2003) Williams

Coppola et al. .

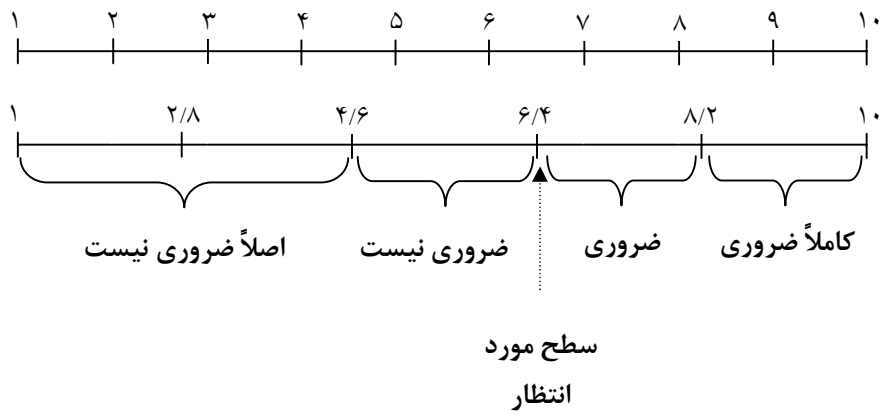
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(Aydin, 2005):

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Kearsely (1998) Harasim et al.

Pratt & Palloff (2001) Rossen & Ko (2000)

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(Sarmad et al., 2005)

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(1998) Harasim et al
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- 1. Blackboard
 - 2. WebCt

(Harasim et al., 1998; Kearsely,
2000; Turgeon et al., 2000; Ko & Rossen, 2001;
Palloff & Pratt, 2001; Awalt, 2003)

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REFERENCES

1. Anderson, T. D., Rurlke, L., Garrison, D. R. & Archer, W. (2001). Assessing teaching presence in a computer conferencing context. *Journal of Asynchronous Learning Networks*, 5(2). Retrieved 12 March 2007, from http://www.aln.org/publications/jaln/v5n2/v5n2_anderson.asp
2. Awalt, C. J. (2003). *Moving from the classroom to online teaching: A study of change in faculty attitudes*, Ph.D. dissertation, the University of Texas, Austin.
3. Aydin, C. H. (2005). Turkish mentors' perception of roles, competencies and resources for online teaching, *Turkish Online Journal of Distance Education*, 6(3), 1-21.
4. Berge, Z. L. (1995). Facilitating computer conferencing: Recommendations from the field, *Educational Technology*, 15(1), 22-30.
5. Berge, Z. L. (2001). *The role of the online instructor/facilitator*, Retrieved March 12 2007, from www.emoderators.com
6. Collison, G., Elbaum, B., Haavind, S., & Tinker, R. (2000). *Facilitating online learning: Effective strategies for moderators*. Madison, WI: Atwood.
7. Coppola, W. N., Hiltz, R. & Rotter, N. (2002). Becoming a virtual professor: pedagogical roles and asynchronous learning networks. *Journal of Management Information Systems*, 18(4), 169-189.
8. Garrison, D. R. (1989). *Understanding distance education: A framework for the future*. London: Routledge.
9. Guasch, T., Alvarez, I., & Espasa, A. (2010). University teacher competencies in a virtual teaching/learning environment: Analysis of a teacher training experience, *An International Journal of Research and Studies*, 26(2), 199-206.
10. Gunawardena, C. N., Nolla, A. C., Wilson, P.L., Lopez-Islas, J. R., Ramirez-Angel, N., & Megchun-Alpizar, R. M. (2001) A cross-cultural study of group process and development in online conferences, *distance education*, 22(1), 85-121.
11. Harasim, L., Hiltz, S.R., Teles, L., & Turoff, M. (1998). *learning networks: A field guide to teaching and learning online*. Cambridge, MA: The MIT press.
12. Hedberg, J. G. & Brown, I. (2001). Understanding cross-cultural meaning through visual media. *Education Media International*, 39(1), 23-30.
13. Holly, C., Legg, T. G., Mueller, D., & Adelman, D. S. (2008). Online teaching: challenges for a new faculty role, *Journal of Professional Nursing*, 24(4), 254-258.
14. Jaberian, A. & Heidary, H. (2004). Process of transition of agricultural science and applied educations and perspective of its future development, *proceedings of 3rd conferences of applied and science higher education*, Applied and Science University, Tehran, Iran, pp. 5-25 (In Farsi).
15. Jelfs, A. & Whitelock, D. (2000). The notion of presence in virtual learning environments: what makes the environment "real". *British Journal of Educational Technology*, 31(2), 145-152.
16. Kearsely, G. (2000) *online education: learning and teaching in cyberspace*. Belmont, CA: Wadsworth.
17. Ko, S. & Rossen, S. (2001). *Teaching online: A practical guide*. Boston: Houghton Mifflin.

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18. Ku, H. Y. & Lohr, L. L. (2003). A case study of Chinese students' attitudes toward their first online learning experience. *Educational Technology Research & Development*, 51(3), 95-102.
19. Lim, C. P. & Cheah, P. L. (2003). The role of the tutor in asynchronous discussion boards: A case study of a pre-service teacher course. *Education Media International*, 40(1-2), 33-47.
20. Maor, D. (2003). The teacher's role in developing interaction and reflection in an online learning community. *Education Media International*, 40(1-2), 127-137.
21. McIsaac, M. S. (2002). The Internet, culture and community building. In D. Murphy et al (Eds.) *Advancing Online Learning in Asia* (pp. 16-25). The Open University of Hong Kong.
22. Moore, G. S., Winograd, K., Lange, D. & Moore, G. (2001). *You can teach online!* The McGraw Hill guide to building creative learning environments. New York: McGraw-Hill.
23. Palloff, R. M. & Pratt, K. (2001). *Lessons from the cyberspace classroom: the realities of online teaching*. San Francisco: Jossey-Bass.
24. Paulsen, M. P. (1995). Moderating educational computer conferences. In Z.L. Berge & M.P. Collins, (Eds.) *Computer-mediated communication and the on-line classroom in distance education*. Cresskill, NJ: Hampton.
25. Peters, O. (1983). Distance teaching and industrial production: A comparative interpretation in outline. In D. Sewart, D. Keegan, & B. Holmberg (Eds.), *Distance education: international perspectives*. London: Croom Helm.
26. Prester, G. E. & Moller, L. A. (2001). Facilitating asynchronous distance learning: Exploiting opportunities for knowledge building in asynchronous distance learning environments. *Proceedings of the Annual Mid-South Instructional Technology Conference*, 8-10 April, 2001, Murfreesboro, TN.
27. Rudestam, K. E. & Schoenholtz-Read, L. (2002). Overview: The coming of age of adult online education. In K.E. Rudestam & L.Schoenholtz-Read, (Eds.). *Handbook of online learning: Innovations in higher education and corporate training*, (pp. 3-28). London: Sage.
28. Salmon, G. (2000). *E-moderating: The key to teaching and learning online*. London: Kogan Page.
29. Sarmad, M., Bazargan, A. & Hedjazi, A. (2005). *Research methods in behavioral sciences*, Tehran, Agah publication. (In Farsi).
30. Scheuermen, F. (2002). Bridging to the future of education, *European journal of vocational training*, 27, 3-12.
31. Solimeno, A., Mebane, M. E., Tomai, M. & Francescato, D. (2008). The influence of students and teachers characteristics on the efficacy of face-to-face and computer supported collaborative learning, *Computers & Education*, 51, 109-128.
32. Spector, J. M. & Teja, I. de la. (2001). *Competencies for online teaching*. Retrieved March 15 2004, from <http://ericit.org/digests/EDO-IR-2001-09.shtml>
33. Thurab-Nkhosi, D. (2003). *WSI educational principles of elearning*. University of Botswana, WebCT.
34. Turgeon, A., Di Biase, D. & Miller, G. (2000). Introducing the Penn State World Campus through certificate programs in turfgrass management and geographic information systems, *Journal of Asynchronous Learning Networks*, 4(3), 9.
35. Van den Branden, J. & Lambert, J. (1999). Cultural issues related to transnational open and distance learning in universities: a European Problem? *British Journal of Technology*, 30(3), 251-260
36. Williams, P. E. (2003). Roles and competencies for distance education programs in higher education institutions, *The American Journal of Distance Education*, 17(1), 45-57.
37. Wolfe, C. R. (2000). *Learning and teaching on the web*. San Diego, CA: Academic Press.
38. Zaree, A. & Zolali, N. (2006). Condition of agricultural education in current situation in Iran and predicting its future, *proceedings of conferences of agricultural education*, Tarbiat Modares University, Tehran, Iran, 131-150 (In Farsi).

