

Modules and Online Instructional Design Promote Problem-Based Learning ODCE 2006

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Cheaney, James and Thomas S. Ingebritsen. (2005). "Problem-based Learning in an Online Course: A Case Study," *International Review of Research in Open and Distance Learning*. [Accessed 2 March, 2006 from <http://www.irrodl.org/content/v6.3/cheaney-ingebritsen.html>].

This case study is centered on a biotechnology course and the issues involved in implementing problem-based learning in an online environment.

Orey, Michael, editor. (2001- present). *Learning, Teaching, and Technology* (ebook). [Accessed 2 March, 2006 from <http://www.coe.uga.edu/epltt/index.htm>].

This online book has entries centered on learning and cognitive theories and instructional theories and models.

Orrill, Chandra Hawley. (2002). "Supporting Online PBL: Design Considerations for Supporting Distributed Problem Solving," *Distance Education*. Vol. 23, No. 1, pp. 41-57.

This paper examines groups of graduate students working in a online environment and examines how they worked together to using the tools to define the problem and explore solutions.

Poon, S.K., Sue Reed, and Catherine Tang. (1997). "Problem-based Learning in Distance Education," *Proceedings of the 5th International Conference on Modern Industrial Training*, Jinan, China. pp. 593-600. [Accessed 2 March, 2006 from <http://www.ic.polyu.edu.hk/oess/papers/pbl.html>].

This proceedings paper positions PBL as a learner-centered technique that is suitable when employed in a well-conceived distance learning environment.

Ronteltap, Frans and Anneke Eurelings. (2002). "Activity and Interaction of Students in an Electronic Learning Environment for Problem-Based Learning," *Distance Education*. Vol. 23, No. 1, pp. 11-22.

This paper discusses the results of a study in which students used an online collaborative learning tool between regular group meetings in problem-based learning.

Ryder, Martin. (2006) "Instructional Design Models" (web site). [Accessed 2 March, 2006 http://carbon.cudenver.edu/~mryder/itc_data/idmodels.html].

Ryder, a development engineer for Sun Microsystems and an adjunct faculty member in information design and learning technologies, maintains this comprehensive site of instructional design and educational theory links.

Stacey, Elizabeth. (2005). "Problem Solving: Collaborative Learning Online" (web site). [Accessed 2 March, 2006 <http://www.deakin.edu.au/teachlearn/cases/files/2003oltf/case03.htm>].

The author offers details of her own case study on redesigning an online course in a new courseware management system. You can hear the entire study by audio, or read the text summary.