A pedagogical framework for mobile learning: Categorizing educational applications of mobile technologies into four types

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Abstract

Instructional designers and educators recognize the potential of mobile technologies as a learning tool for students and have incorporated them into the distance learning environment. However, little research has been done to categorize the numerous examples of mobile learning in the context of distance education, and few instructional design guidelines based on a solid theoretical framework for mobile learning exist. In this paper I compare mobile learning (m-learning) with electronic learning (e-learning) and ubiquitous learning (u-learning) and describe the technological attributes and pedagogical affordances of mobile learning presented in previous studies. I modify transactional distance (TD) theory and adopt it as a relevant theoretical framework for mobile learning in distance education. Furthermore, I attempt to position previous...
studies into four types of mobile learning: 1) high transactional distance socialized m-learning, 2) high transactional distance individualized m-learning, 3) low transactional distance socialized m-learning, and 4) low transactional distance individualized m-learning. As a result, this paper can be used by instructional designers of open and distance learning to learn about the concepts of mobile learning and how mobile technologies can be incorporated into their teaching and learning more effectively.

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"A pedagogical framework for mobile learning: Categorizing educational applications of mobile technologies into four types". The International Review of Research in Open and Distance Learning, 12(2), 78-102. has been cited by the following article: Article. This paper reviews the evolution of learning technologies in general and recent advances in mobile learning and pervasive learning in particular. In this work, we aim to study, model and simulate an ambient mobile system based on intelligent agents for the Mobile learning (M-learning). The mobile agent concept is not based on the traditional client-server model, but on distributed executive models. The mobile agent concept is not based on the traditional client-server model, but on distributed executive models. Pedagogical Framework for Mobile Learning: Categorising Educational Applications of Mobile Technologies into Four Types. A. Y. Park. Avgoustos eds. Increasing Access through Mobile Learning. Perspectives on Open and Distance Learning. Vancouver: Commonwealth of Learning, • 2014. View 6 Excerpts. Highly Influenced. A Review of Research on Mobile Learning in Teacher Education. Evrim Baran. Open Educational Resources and Mobile Technology to Narrow the Learning Divide. M. Ally, M. Samaka. The international review of research in open and distributed learning • 2014. View 1 Excerpt. Exploring the business case for open educational resources. N. Butcher, S. Hoosen. Vancouver: The Commonwealth of learning, • 2012. Gathering resources about mobile learning. We are looking for research and pilots regarding mobile learning, mobile centric web pages, lesson plans instructional routines centered around mobile devices, and mobile related conferences, webinars, workshops and events. Join this group. Sort By: Most Recent | Popular Filter: All | Bookmarks | Topics Simple Middle. A Pedagogical Framework for Mobile Learning: Categorizing Educational Applications of Mobile Technologies into Four Types.