

عنوان مقاله:

E-Learning Content Development based on Emo-Inter Instructional Model for Design of Bridges according to LRFD Method

محل انتشار:

نهمین کنگره بین المللی مهندسی عمران (سال: 1391)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

New technologies have created appropriate facilities for teaching and learning. In this paper, emotional and interactional (Emo-Inter) model for e-learning content development is proposed according to the human learning model. Based on this model, electronic educational content development process for the Design of Concrete Bridge course is presented according to the AASHTO LRFD method. These course main features contain the educational behavioral objectives at the beginning of each training component, using question and answer style by the first and second narrator to promote learners emotional level and using the parametric figures and exercises for interaction with learners and better understanding of design relations. According to the survey which was conducted on learning model in one semester, 79% of students evaluated the learning models very useful and effective and also 68% of students maintained that objectives were achieved

کلمات کلیدی:

Emotional and Interactive Instructional Model, E-Learning of Engineering Courses, E-Content Development, Bridge Design Course, AASHTO LRFD

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