عنوان مقاله:

Efficiency Evaluation of E-Learning Courses at Payam Noor University Based on Learning Usability Criteria

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خلاصه مقاله:

Background: The aim of this study is to evaluate e-learning systems at Payam Noor University (PNU) based on learning usability criteria. Methods: This was an applied research in terms of purpose and a descriptive survey in terms of data analysis. The statistical population included 2600 undergraduate and graduate students at the Shahriar branch of PNU using e-learning methods in 2019-2020 academic year. The sample size was estimated using Morgan table. A total of 335 participants were selected through stratified sampling. The validity of questionnaire was verified by consulting 25 experts in distance education using Delphi method, and the reliability of the total questionnaire, as measured by Cronbach's alpha, was found to be ($\alpha=0.73$). Statistical analysis was conducted using SPSS 26. Results: In the e-learning courses offered by PNU, the components of "visibility", "flexibility", "course management", "accessibility", "consistency and functionality", "memorability", "completeness" and "aesthetics" are in a favorable situation ($p < 0.001$). However, the components of "error prevention", "interactivity, feedback and help", "assessment strategy" and "reducing redundancy" are not in a favorable situation ($P > 0.05$). Conclusion: Educational institutions should not merely focus on content in their design of e-learning courses. They should also incorporate interactive and group exercises so that students can understand educational materials, and actively and creatively engage in the learning process based on their personal experiences.

کلمات کلیدی:

Efficiency, E-Learning, Usability, Payam Noor University

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