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The Effect of Web- Based Education on Final Course Grades of physics in Radiology students

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Abstract

Introduction: Today use of internet as a learning tool spread out in education field quickly. In this regard, the present study aimed to assess the impact of learning on students' final grades has taken place.

Methods: In this Semi-empirical study conducted on Radiology students in the first semester of 2011-2012, parallel to attendance and traditional teaching sessions (classroom training) for Physics, web- based training was simultaneously used. At the end of period, by comparing of the students scores who participate in this research, the impact of web- based education in students' learning was evaluated through a researcher-made questionnaire (reliability 0.8) information about advantage, disadvantages, amount and quality of learning were collected and analyzed.

Results: Comparing of the averaged end scores of the experimental group and the Control group show that there isn't any significant difference between two groups of students in amount of learning and success at the end of the test. All of students in this study Considered relationship between teachers and students(90%), Telecommunications and academic exchange (81%), access to electronic resources in the world (79%) and lack of space and time limits (64%) as the main benefits of web- based training and lack of resources and facilities, low speed internet and lack of universal access to the internet, as disadvantages of this type of education.

Conclusion: Although students show interest and acceptance toward web-based education by considering some elements in including no familiar with internet, communication infrastructure and the quality of course content offered on the web. It is necessary that further review is done to improve this type of training.

Keywords: Education, Personal Satisfaction, Web-based training

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