



Online Physics Test Developed in Adobe Flash CS4 to Improve Students' Knowledge

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An online Physics Test, which is actually a quiz elaborated in Adobe Flash CS4 and designated to be used for the second-semester course in Physics at the Faculty of Civil Engineering and Building Services of "Gheorghe Asachi" Technical University of Iasi, has been developed. This is one of the e-learning tools which are part of the Physics curriculum. This virtual online test verifies the students' knowledge in the following fields of Physics: Mechanics II, Electricity and Magnetism, Electromagnetic Waves and Solid Body Physics. The online Physics Test is a valuable tool for the teaching staff, as well as for students. Students can resort to it for pre-seminar activities and in order to prepare their exams. This tool enables students to improve their learning progress and results, and this is why we use it together with lectures, seminars and Virtual Physics Laboratory classes. This online test is a completion of the Virtual Physics Test elaborated for the first-semester course in Physics at our faculty. We also performed a qualitative case study that contains two statistics. One of them shows an increasing in the number of students who prefer to use the online Physics Test and the other indicates that the increasing in the number of the male students who have worked with the online Physics Test is greater than the number of the female students who have used this educational background.