Transition from traditional to LMS supported examining: A case study in computer engineering

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References:

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Abstract:

Modern education is hard to imagine without the use of e-learning tools, but still the transition from traditional “paper-and-pencil” examining to electronic exams is to some extent cautious. Although course administration and exam evaluation are much easier with learning management systems, there are concerns among teaching staff, that electronic tests simplify examination process compared to paper tests and classic examining. At the University of Belgrade, School of Electrical Engineering, e-learning tools are used at several exams, mostly as a secondary tool to aid with laboratory exercises. In this paper, we show our experience with four courses from the computer engineering study program that are to various extent moved to Moodle LMS, and electronic examining. We mostly concentrate on certain aspects of transition from paper tests to electronic exams. We present 12 different transformations needed to conform to electronic examining and automated evaluation, and discuss benefits and drawbacks of such a transition.

Keywords:

education;learning management systems;Moodle;question transformation