

ZMATH 2012b.01158

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Combing online and paper assessment in a web-based course in undergraduate mathematics.

J. Comput. Math. Sci. Teach. 23, No. 3, 217-231 (2004).

Summary: Online assessment in mathematics is becoming more prominent as mathematics and the internet become more compatible. This paper is based on a case study of a web-based calculus course in which a combination of paper and online assessment is used for assessing various activities. The paper first investigates what student assessment preferences are and shows that there is a leaning towards a preference for online assessment, yet students still show a preference for a combination of online and paper assessment for term tests. Secondly, the paper shows that standards are maintained when incorporating an equally weighted online component into the assessment model for the case under consideration. The investigations are conducted from a background of having been involved in teaching online mathematics courses for the last four years.

Classification: U55 D45 D65

Keywords: assessment; students; mathematics; web-based instruction; computer assisted testing; evaluation methods; educational research