

1023-D5-1816 **Louis M. Beaugris***, Department of Mathematics, 1000 Morris Ave, Union, NJ 07040. *A Misadventure with a Web-based Assessment Method.*

Online testing and web-based assignments have gained tremendous popularity the last few years and have proven useful to both students and instructors. These are often used as testing tools in addition to exams and quizzes. In this report, we compare the performance on online homework assignments to in-class paper-and pencil quizzes from three different groups of students in the same algebra course with an enrollment of 1500 students over one semester at Kean University. The analysis leads to the conclusion that web assignments, although convenient to some groups of students, may not be effective at the developmental level when used as an assessment tool. (Received September 26, 2006)