

**PREDICTING STUDENT PERFORMANCE BASED ON GPA, MODE OF DELIVERY AND SPECIFIC
COURSE DESIGN AND PRESENTATION**

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ABSTRACT

Online courses are becoming more predominant in higher education. The question is effectiveness of mode of delivery. Studies have compared face-to-face classes to online classes. The results are mixed. This leads to what intervening factors might cloud these results. This study sought to isolate and examine the influence of intervening factors on the analysis of two modes of instruction (online versus face-to-face). GPA was considered as an indicator of expected performance. The mode of instruction and class design/instructor were also studied. The outcome variable was total points earned in class. Total points earned are equal to final grade earned. A prediction model was developed that suggest the best class assignment for achieving success as measured by total points earned. GPA was the best prediction of overall learning. On line and face to face modes of delivery were equally successful in achieving overall learning.

Keywords: *Online education, face to face education, grade point average, mode of instruction, course design, regression.*