Chapter 9
Technology and Teacher Education: Student Evaluation of Faculty Instructional Quality

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ABSTRACT

This study explored one primary question: To what extent do student perceptions of various forms of instructional technology tools predict instructional quality? Participants for the study were drawn from a teacher education program in a large Midwest public university. Data were collected using a web-based survey with a total of 121 responses used in the final analysis. A multiple regression analysis was conducted to evaluate how well Productivity Tools, Presentation Tools, Communication Tools, and World Wide Web Tools predict Student Evaluation of Faculty Instructional Quality. The overall significant results of the regression model and the subsequent significant results of the t-test for Presentation Tools and Productivity Tools is an indication that Presentation and Productivity tools can be used by faculty to facilitate student and faculty interaction, promote cooperation among students, promote active learning techniques, give prompt feedback, emphasize time on task, communicate high expectation and respect diverse talents and ways of learning.

INTRODUCTION

Technology permeates all sectors of human lives. While educational technology has been a focus of educational policy reform over the past two decades (U.S. Department of Education, 2006), the integration of technology into instruction and its effect on student learning is of increasing interest to stakeholders such as policymakers, administrators, educators, students, and parents (Keengwe, 2007). Even so, technology alone cannot realize many educators’ vision for technology to im-
Technology has become an integral part of learning tools in most classrooms. Consequently, if the power of new technologies is to be realized, instructors need to employ instructional strategies consistent with the Seven Principles of Good Practice in Undergraduate Education and support preservice teachers to gain comfortable skills and ability in everyday technology use (Chickering...