

The Correlation between Pre-service Teachers' Attitudes towards Technology and Achievement in Material Design Course

Fuat Findikoglu¹, Bulent Alci² and Hakan Karatas³

*Yildiz Technical University, Faculty of Education, Department of Educational Sciences,
Esenler, Istanbul 34220, Turkey*

E-mail: ¹<fuatf@yildiz.edu.tr>, ²<alci@yildiz.edu.tr>, ³hkaratas@yildiz.edu.tr

KEYWORDS Pre-service Teachers. Technology Use. Attitudes towards Technology. Academic Success

ABSTRACT This study aims to specify the correlation between pre-service teachers' attitudes towards technology and achievement in material design. The participants of the study consisted of 127 pre-service teachers from different disciplines. To determine the attitudes of pre-service teachers, data was collected using the "Technology Attitude Scale". The achievement scores of pre-service teachers in material design were obtained using the material evaluation form developed by the researchers based on the principles of designing material. While evaluating the data, analyses of Pearson correlation and t-test were conducted, the results revealed a positive correlation between pre-service teachers' attitudes towards technology and achievement in material design. Also, significant differences were found according to pre-service teachers' disciplines. These findings and implications for educational researchers were also further discussed.