The interaction between the worked example strategy (correct\ erroneous) in the e-learning environment and cognitive style (tolerance\ intolerance) for ambiguity and its impact on the development of database programming skills and depth of learning among educational technology students.

Abstract:

The current research aims to measure the interaction between the worked example strategy (correct\ erroneous) in the e-learning environment and cognitive style (tolerance) intolerance) for ambiguity and its impact on the development of database programming skills and depth of learning among educational technology students .More than one educational research method was used, which includes the descriptive method, the systems development method and the experimental method. The research was applied to a sample of (88) second-level students in the Educational Technology Specialist Preparation Program -the Faculty of Specific Education - Favoum University. They were divided equally into four experimental groups. The results indicated that there were no statistically significant differences between Worked example strategy (correct\ erroneous) on post- cognitive achievement, a final product evaluation card for database programming skills, and a post- depth of learning scale; The results also indicated that there were statistically significant differences between cognitive style (tolerance) intolerance) in favor of students with a cognitive style tolerate ambiguity on post- cognitive achievement, a final product evaluation card for database programming skills, While there are no statistically significant differences between them in a postdepth of learning scale; The results also indicated that there was no effect of interaction between the independent variable and the categorical variable of the research on post- cognitive achievement, a final product evaluation card for database programming skills, and a post-depth of learning scale.

Keywords: Correct Worked-Examples Strategy - Erroneous Worked-Examples Strategy -Cognitive style tolerance for ambiguity - Cognitive style intolerance for ambiguity - Database programming skills - Depth of learning.