The Effectiveness of an Electronic Training Program to Develop 3D Pattern Draping Skills as an Introduction to Design on Mannequin

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Abstract:

The research aims to build an electronic training program for graduates to develop their skills towards draping of 3D pattern as an Introduction to Design on Mannequin with the employment of techniques in more than one Design on Mannequin, and to measure the effectiveness of the electronic training program on the acquisition of information and the acquisition of skills to draping of 3D pattern(accordion technique, decoboko technique, pyramid technique), as well as measuring the opinions of trainees towards the training program. The research depends on the semi-experimental method in the procedures and steps of applying the program and in measuring the information and skills it contains, in addition to the descriptive method in measuring the opinions of trainees towards The training program and e-training. The research requires the construction and application of the following tools (cognitive achievement test before / after - skill performance test before / after - form to measure the validity of the program for application - an estimate scale to evaluate the skill test - questionnaire survey of trainees' opinions towards the electronic training program), The validity and reliability of the tools was ensured, This was applied to a random sample (28) of graduates of specialized and nonspecialized colleges who have the skills of draping on the mannequin and have never studied 3d pattern before. The results of the possibility of draping three-dimensional designs using 3d pattern as an Introduction to design on the mannequin, and the existence of a statistically significant difference between the average scores of the trainees in the cognitive achievement test before and after the application of the electronic training program in favor of the post-application, as well as the existence of a statistically significant difference between the average scores of the trainees for skill performance before and after the application of the electronic training program in favor of the post-application, which confirms that the program has effectiveness in terms of acquiring knowledge and acquiring the skills included in the electronic training program. The trainees' opinions are positive towards the training program for draping of 3d pattern.

Keywords:

Electronic training program, 3D pattern, Design on Mannequin.

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