

## **The effectiveness of a proposed E - course in teaching Skirt's Pattern**

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### **Abstract:**

E-learning is one of the educational innovations imposed by global challenges and scientific and technological changes resulting from the rapid progress in the sources of knowledge and ways to obtain them, and the traditional educational methods are no longer appropriate to keep pace with this era and meet its requirements, electronics have become preoccupying workers in the thinking of workers in the field of Education, and work on how to prepare courses electronically and make them available to learners at any time and in any place

Abdullah Al-Musawi confirms that e-learning can be adapted to all academic courses, which leads to the transfer of traditional courses to electronic courses through which integration among multimedia elements of sound, movement, video and images of all kinds in the design of these courses, which allows the provision of scientific information in an interesting way for students who are allowed to interact with the contents of the electronic course.

The study belongs to (Faten Mansour Muhammad Al-Malik - 2011) aimed at identifying the effect of using a website in the home economics course on the cognitive achievement and skillful performance of high school students in the Kingdom of Saudi Arabia and preparing a list of specific goals at their three levels (cognitive, psychokinesis, and sentimental) in the home economics course. This study is useful for how to design the website and know its effect on the study sample.

The research aims to design a proposed electronic course for computer material in home economics to increase rates of practical performance for the skill of implementing Skirt's Pattern among third year students, and the possibility of employing this proposed electronic course based on electronic education to make the educational process easier and to keep pace with technological developments.

The curriculum used in the research was semi-experimental, as a proposed electronic course for computer use in home economics that was designed to teach Skirt's Pattern, and a questionnaire was used to evaluate the electronic course to identify the opinions of specialists in the electronic course proposed by the faculty members for arbitration before being presented to students, and take the cognitive achievement and the skill tests for students before and after applying the electronic course of the research sample consisting of (30) male and female student from the third year in the Department of Home Economics at the Faculty of Specific Education - Tanta University .

The study of (Rania Ali Mohamed Abdel-Ati - 2015) aimed at identifying the effectiveness of a multi-modal educational program to teach the graduation of models for students of the Department of Home Economics, where a program was prepared to teach drawing the basic model for each of the corsage - quantum - skirt - pants using the Aldrich method.

In the field of home economics, e-courses must be based on satisfying students 'practical and scientific needs, so the aim of the research is to employ computer applications in the work of a proposed electronic course in home economics and measure its effectiveness in developing students' skills before and after applying the e-course through a set of knowledge and skills, in addition to the researcher who should prepare a list for the arbitration of this course and present it to a group of specialists for evaluation.

#### **The Search Problem Was:**

- What is the possibility of designing and producing a proposed electronic course for teaching Skirt's Pattern for third year students at the Specific Education College?
- What are the foundations and standards for building an e-course expected to teach the paradigm of home economics students?
- What is the effectiveness of employing the specified e-course in developing some special skills of Skirt's Pattern in the subject of using computers in home economics for students of the third year?

#### **Research aims:**

- 1- Preparing an electronic course to develop skills of the paradigm of the home economics department students.
- 2- Using the presumed online course for teaching the Junella Model at the Department of Home Economics, Faculty of Specific Education.
- 3- Measuring the effectiveness of the e-course in developing the skillful performance of the paradigm of the third year students in the Department of Home Economics.

#### **Research hypotheses:**

- 1- There are statistically significant differences between the average students 'scores in the pre and post application of the achievement test and the skill performance test in favor of the post application.
- 2- There are statistically significant differences between the average students 'scores in the pre and post application of the achievement test in favor of the post application.
- 3- There are statistically significant differences between the average scores of students in the pre and post application of the skill test in favor of the post application.

#### **Research importance:**

- 1- Presenting a suggested electronic course for teaching the subject of using computers in economics to develop special skills for drawing the model of the Junala.
- 2- The trend towards studying the course electronically for the third year students in the Home Economics Department.
- 3- Contributing to the modernization of learning methods in the home economy, in line with modern trends in education.
- 4- Raising the efficiency of the graduate and keeping it up to date with recent developments in the labor market.

#### **Research Methodology :**

Quasi-experimental approach.

The research sample:

Third year students - Department of Home Economics - Faculty of Specific Education - Tanta University.

### **Search tools:**

- 1- The proposed electronic course.
- 2- A questionnaire to evaluate the electronic course for professors and specialists.
- 3- Cognitive test and pre and post skill skills.

### **The most important research results are:**

The proposed online course has a significant impact in giving them some practical knowledge of drawing style grades, as well as the presence of statistically significant differences between the average levels of students in the application before achievement and post-achievement and skill performance test for post-application, there are also statistically significant differences between the average score of students in the pre and post achievement for the achievement of post-implementation, and the presence of statistically significant differences between the average score of student B in the application pre and post to test the skill for the benefit of the dimensional application, which explain the hypotheses and the effectiveness of the online course in teaching Skirt's Pattern and contribute to the modernization of learning methods in the field of home economics, in line with modern trends in education.

### **Summary of results:**

- 1- Teaching the decision to use computers in home economics by placing the course on a website that has made it easy to communicate with students remotely.
- 2- It led to developing the knowledge and skill side of students and giving them many new experiences through their use of the Internet to study the educational content of the curriculum in both theoretical and practical terms.
- 3- Teaching students to draw the model of the skirt on the paint program.
- 4- Students gain a new skill that qualifies for the labor market and connect specialization with technology.

### **Recommendations:**

- 1- Activating the electronic course related to the subject of using computers in home economics.
- 2- Encouraging faculty members to produce electronic courses and distance education.

### **Keywords:**

Effectiveness -E- Course- Skirt

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