
EDUCATIONAL UNIT FOR GARMENT IMPLEMENTING BASED ON PROFESSIONAL REQUIREMENTS FOR HOME ECONOMICS EDUCATIONAL GRADUATE

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Abstract

The current research aims to design a proposed educational unit in the garment implementation course entitled (Skills in Sewing) and measure the effectiveness of the proposed educational unit in providing students with the knowledge contained in it and also in providing them with the skills included in it in addition to measuring the trends of the students' sample towards studying the proposed educational unit, and the sample consisted of (37) students of the second year in the Department of Educational Home Economics at the Faculty of Home Economics, Helwan University, and by using the evaluation tools prepared by researchers and consisting of the cognitive achievement test and skill performance, a note card to evaluate the skill performance, a product evaluation form and a measure of trends before and after the implementation of the proposed educational unit. The data were analysed statistically using the (T) test, Kuder-Richardson 20 method, the Cronbach's alpha coefficient, the Cooper coefficient, and the Modified Blake's Gain Ratio, the research reached a set of results, the most important of which is the effectiveness of the proposed educational unit in providing students with the knowledge and skills included in the unit, in the presence of statistically significant differences among the average degrees of the students before and after implementing the educational unit in favour of the post test, and the results also resulted in positive attitudes of students towards the proposed educational unit.

Keywords

Educational Units, Garment Implementing, Professional Requirements, Educational Home Economics

Introduction

University education is considered the most important thing brought by the higher education system in terms of performing the cultural and educational renaissance of the learner through the development of academic programs, developing human resources and achieving strategic management that achieves development and excellence for university education and its outputs and maximizing the university's role in developing the local and national community (Ahmed Hussein Al-Laqani: 1995).

The issue of educational development has gained a lot of attention in recent years, especially after the emergence of many innovations, followed by curriculum development as an essential aspect in the framework of any theory adopted by the curriculum developers (Jihan Ahmed Salem 2017 on Fatima Muhammad 2010).

The study units are a form of curriculum development as it is a pre-planning of what is included in the educational material and the accompanying educational activities, teaching methods, teaching aids and evaluation, which together lead to the achievement of the desired

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goals and this needs to pass through certain experiences that result in the learner's acquisition of information, facts and skills (Tasnim Yahya, 2014).

And there are many studies that focused on educational programs and units such as the study of (Walid Ibrahim: 2015) that aimed to determine the professional requirements of the Drawing subject for first-grade students and a unit of the program was applied and identifying students' attitudes towards studying the proposed unit, the study of (Tasnim Yahya: 2014) that sought to design an educational unit in the machines and units in the garment industry entitled (Accessories of the Industrial Knitting Machine) and measure its effectiveness on students, as well as the study of (Sarah Ibrahim: 2014) which aimed to build an educational program in the design of female flat models using multimedia and measure its effectiveness in developing knowledge, skills and attitudes among students of the second year of clothing and textile department.

Also The study of (Ashraf Abdel Hakim, Ahmed Baybars: 2013), which aimed to build an educational unit to learn to draw and color the flat design of women's costumes using the (Adobe Illustrator) program and measure its effectiveness in students' acquiring knowledge and performing the skills included in it and identifying their trends towards using the program in the field of fashion drawing and design, the study of (Fatima Al-Ajawi: 2015), which aimed to develop a proposed conception of the Home Economics curriculum for the primary stage in light of the desired goals, and the study of (Fatima Mahmoud Muhammad: 2010), which aimed at a proposed conception of the Home Economics curriculum for the first grade in light of comprehensive quality standards.

In addition to the study of (Samia Abdel-Muttalib: 2010), which demonstrated the effectiveness of two units of the proposed curriculum for pupils in the preparatory stage in schools of intellectual education.

Whereas the educational home economics department at the Faculty of Home Economics, Helwan University is developing the department's curricula with the aim of preparing suitable graduates for teaching, the current study has tended to prepare a proposed plan for the clothing implementation course for the second division of the Department of Educational Home Economics that matches with the professional requirements for working in this field.

Research Problem

The research problem was represented in the low level of cognitive achievement and skill performance among students of the second year of the Department of Home and Educational Economics in the decision to implement clothes, and the problem was identified

in the following questions:

1. What are the professional requirements for a graduate of the educational home economics department?
2. What is the possibility of designing an educational unit in the clothing implementation course for students of the second year in the educational division?
3. What is the effectiveness of the proposed educational unit at the level of (cognitive achievement, skill performance) for students in the clothing implementation course?
4. What are the students' attitudes towards the proposed educational unit?

Research Objectives

1. Determining the professional requirements for a graduate of the educational Home Economics department.
2. Designing a suggested educational unit in the garment implementation course entitled (Skills in Sewing).
3. Measuring the effectiveness of the proposed educational unit for students of the second year in the Department of Educational Home Economics at the Faculty of Home Economics - Helwan University in terms of: (achievement, skill performance, and trend).

Research Significance

1. The importance is determined by the fact that it is concerned with developing educational curricula and decisions in the field of university education in order to achieve quality standards in one of the contributing courses.
2. It also deals with the human development of the youth sector in an attempt to qualify them in accordance with the professional requirements of the labor market.
3. It is in line with the college's policy and mission in developing education, which includes developing study programs.

Research Methodology

- **Descriptive Method:** In order to analyse the skills of implementing the clothes in question and to develop a suggested plan for the course as well as to address the opinions of students and measure their attitudes towards the experimental educational unit.
- **The Semi-Experimental One-Group:** In order to suit it to achieve the objectives of the study and verify its assumptions and measure the skill performance and cognitive achievement of students.

Recommendations

- Addressing the Educational Home Economics department in the faculty to amend the description (Clothing Implementation) to suit the professional requirements of an Educational Home Economics graduate and add the proposed educational unit that has been prepared and proven effective.
- Directing the teaching staff to pay attention to achieving integration between the two frameworks (knowledge and skills) in the educational units that teach students in various subjects, so that the gap between theory and practice narrows and the efficiency of the educational process increases.

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Received: February 1, 2018

Accepted: April 6, 2018