

# **The concept of educational design and how to apply it to the interior design curricula (Case Study on Designing Tourist Facilities studio)**

**Assist. Prof. Dr. Dalal Yousrallah Mohamed**

Assistant Professor of Higher Institute of Applied Arts 6th of October City

[dalalyousrallah@gmail.com](mailto:dalalyousrallah@gmail.com)

## **Research Summary:**

The beginning of the emergence of the science of educational design goes back to the end of the first half of the twentieth century, and specifically after the Second World War. Educational design is an important component in the field of educational technology and is considered to be one of the primary tasks for specialists in educational technology.

Educational design is an integrated process for analyzing the learner's needs and goals, developing systems and paying attention to developing the educational activities, experimenting and re-examining them. It is a systematic process that aims to plan the educational systems to work with the highest degree of effectiveness and efficiency to facilitate education for students. Furthermore, educational design is the pinnacle among the educational techniques in addressing teaching and learning problems, developing their levels and providing corrective measures for each.

The educational design draws attention towards educational goals: The first steps in designing education are defining general educational goals and the specific behavioral goals of the subject to be taught. This step would help the designer distinguishes valuable goals from side goals and applied goals from theoretical ones.

## **Key words:**

Educational design, design of tourist facilities.

## **Problem Definition:**

- Absence of use of the well-known educational design methods that are used in most cases when developing or creating study materials in art institutes and colleges.
- Attempt at finding ways to teach interior design of tourist facilities in a way that copes with the evolution of tourism worldwide.

## **Research Objectives:**

- Scientifically developing a curriculum for the course (Design of Tourist Facilities) at the High Institute of Applied Arts - October 6.
- Setting scientific rules and guidelines for the development of any curriculum or study program for art institutes and colleges due to the special nature of their courses.

## **Research limits:**

- Application on the Department of Interior Design and Architecture of the High Institute of Applied Arts - 6th of October City and the course (Design of Tourist Facilities).

## **The evolution of educational design science:**

The beginning of the emergence of the science of educational design goes back to the end of the first half of the twentieth century, specifically after the Second World War, and those beginnings were related to military training when the American government considered training large numbers of its soldiers to join the war. So, American scientists began thinking about introducing modern technologies to achieve the set goals. On top of them was the scientist John Dewey, who is credited with the birth of educational design science.

## **The concept of educational design:**

Educational Design is an important component of the educational technology field and it is one of the primary tasks for specialists in educational technology. The importance of design comes from that each educational field has the appropriate educational materials, devices and methods of presenting according to the academic content, and these aspects need for unique specifications and characteristics on their own so that they can be produced well, increasing the effectiveness and efficiency of the educational situation.

The word design is derived from the verb (design), meaning insist, whereas the concept of design means engineering something in a way according to the engineering process of a situation. The concept of design is used in many fields such as engineering, interior, commercial and industrial design.

It is a systematic method for planning and developing the best educational methods to achieve the desired learning needs and goals according to specific conditions that include developing, defining, and evaluating educational methods for all educational activities.

## **The importance of educational design:**

The educational design leads to paying attention to educational goals: The first steps in designing education include defining general educational goals and the specific behavioral goals of the subject to be taught. This step would help the designer to distinguish valuable goals from side goals and distinguish applied goals from theoretical goals.

## **The main types of educational design:**

### **1. Linear design:**

It is the result of Skinner's study of the learning theory and is one of the simplest methods of designing programs, but it obligates all learners to follow the same steps in the program. In order for the student to learn a specific concept, he must go through all the procedures decided by the program and in the same arrangement for information, examples and training.

### **2. Branch design:**

Branch selection options are of the most important factors that the program depends on to provide individual education.

#### The stages of educational design:

1. Analysis of the subject to be taught.
2. Course organization process.
3. Preparation process for teaching the subject.

4. The process of applying the course material.
- 5- The process of managing the academic subject in the lecture halls.
- 6- The development process of the subject.

### **The most important models in educational design**

There are several models for educational designing. Some are complex and others are simple, yet all of them consist of common elements required by the nature of the educational process.

#### **First: The Gerlak Wiley model:**

Gerlak Wiley developed a model for educational program planning based on the notion that the professor is the system, guide, evaluator and developer of the educational process, and not just the carrier of the learning aspects.

This model is characterized by the ease of recognizing its operations and the simplicity in classifying goals.

#### **Second: The Gear Wold Kemp model:**

This model is based on the fact that flexibility and mutual influence between the elements of the educational process achieve the goals better and makes learning more effective. Therefore, this model is characterized by flexibility which suits all levels and types of learning, and consists of eight main elements or steps:

1. Defining general educational goals
2. Determining the characteristics of the learners
3. Defining special educational goals
4. Determining the content of the subject
5. Initial pre-measurement work
6. Choosing educational, learning and teaching activities
7. Determining educational capabilities and services
8. Student development

#### **Third: The General Model:**

The general model for educational design is the basis of all models, and it is designed to ensure that the educational product is efficient in achieving goals.

All the models of educational design revolve around five main stages, all of which appear in what is called the "ADDIE Model". This model consists of five main steps which derives its name from:

1. **A**nalysis.
2. **D**esign.
3. **D**evelopment.
4. **I**mplementation (application).
5. **E**valuation (periodic evaluation - final evaluation)

**Case study:** Development of material for designing tourist facilities in the program of interior design at the Higher Institute of Applied Arts, 6th of October City, according to the steps and stages of educational design.

The study was carried out through a comparison of the use of the two types of educational design (the general model) and the Gear Wold Kemp model.

The (Gear Wold kemp) model was chosen to develop the educational material for the curriculum of design of tourist facilities because of its flexibility and linkage between the elements of the educational process which achieves goals better and makes learning more effective. This is done in a manner that suits all levels and types of learning comprehensively and with attention to detail.

### Results:

1. The educational design increases the possibility of the professor's chances of success in teaching the educational material, as the design process (planning and prior study) of the educational decisions would predict the problems that may arise when applying the educational curriculum, thus trying to work on avoiding them before they happen.
2. There are many different educational models and each has its advantages and disadvantages, but the research has concluded that the best model that can be used to develop a curriculum is the (Gear Wold kemp) model because of its flexibility, comprehensiveness and ability to achieve the desired goals.

### Refernces:

- Justaphson, Kent, Webranch, Robert (1997). Esteerad namazeg al tasmim al taalimy. Riyadh: targamet Badr Saleh 2003.
- Abd El Salam, Mandoor, Asaseyat entag wa estekhdam wasael wa technology al taalim. Riydah: Dar al sameiy lel nashr wa al tawzie. 2006.
- [http://mytecnologye.blogspot.com/p/blog-page\\_22.html](http://mytecnologye.blogspot.com/p/blog-page_22.html)
- <http://tasmentaleme.blogspot.com/2017/01/1991.html>
- <http://tasmentaleme.blogspot.com/2017/01/1991.html> هانى رمزى خليل
- <http://www.id4arab.com/2012/09/1-2-3-4-5-addie.html> السبت ٦/٦/٢٠٢٠
- <http://www.id4arab.com/2012/09/1-2-3-4-5-addie.html> السبت ٦/٦/٢٠٢٠
- [http://www.id4arab.com/2013/03/blog-post\\_1342.html](http://www.id4arab.com/2013/03/blog-post_1342.html)