



Alexandria University
Faculty of Fine Arts
Décor Department
Specialization of Interior Architecture

Humanitarian Needs as Criterion for the Application of the Universal design in Boarding School

**A Thesis introduced to the Décor Department
To the Requirement of Master Degree in Fine Arts
Décor Department -Specialization Interior Architecture**

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2017

Summary

The architect of contemporary architecture has become a role that integrates with the architect in creating the internal or external educational environment suitable for students, which is compatible with the needs of students in the educational environment. The society around the world includes the healthy and disabled people whose conditions must be taken into consideration Buildings to facilitate their use. Thus, the concept of comprehensive design has been developed to ensure that people with special needs are integrated with healthy people and participate in various activities, especially in the educational environment, in work environments and in the living environment.

Many of the sciences interested in studying the dimensions and dimensions of the human body such as Anthropometric studies and Ergonomics, which helped the designer of interior architecture to work out comprehensive designs because it provides us with the foundations and methods used in the design as well as the relationship between some anthropometric measures and some types of movements of people with special needs. Measurements and ratios to design educational environments according to overall design standards.

The vision of the design process through a comprehensive design perspective may make the designer put further considerations to include all the individuals. The good planning of the school creates the optimal use of the place for all its users without excluding anyone.

The studied use of floors, walls, ceilings, furniture, trees, plants, touches, colors and lighting within educational spaces is a key factor in determining the vacuum that surrounds vacuum users.

When planning the routing process within the building, the designer must recognize the human differences and predict the interpretations and expectations that the components of the design make to them in order to complete the message to address all users and meet their requirements and needs.

The characteristics of modern schools are a social environment capable of bringing together ordinary students and people with disabilities to meet where they exchange knowledge and receive science. Therefore, the design of schools takes grants that contribute to the real needs, where flexibility, dynamism, materials and materials are used.

Assistive technology and road recognition are very important for visually impaired people.