

Research on Desired Studio Parameters of Iranian Architecture Students: Environmental Perception Increasing Approach

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Abstract

Whereas architecture students spend much of their time in architectural studio, undoubtedly physical environment of studio and mental-psychological effects of its parameters - such as Lighting, color, view, Furniture, etc - have direct effect on educational process and mind orientation of architecture students, on conscious and unconscious way.

This study has constructed on this base, that physical environment is a significant factor in education of architectural principle for students. So, it is looking for conditions that provide ability of this kind of education in studio environment. For this meaning, having a meaningful relation between person and environment, and perception of environmental information is necessary.

Because environmental perception is a cognitive need, according to human needs hierarchy of Abraham Maslow, when students want to perceive and analyze surrounding environment, that environment is responsible for physiological and psychological needs of students.

Therefore the aim of this study is research on characteristic and parameters of studio which create suitable conditions, that students can obtain perfect perception of studio environment.

This study is conducted using a questionnaire from ninety-five students of fourth year studio at two Art University in Isfahan, Iran. It is tried to select students from a similar conditions and tried to analyze essential demands of architecture students.

This questionnaire contains three types of questions. The first type, has researched students physiological needs in related of desired studio. The second one searches mental and psychological demands of students, to having effective relation with environment.

Finally, while ongoing influence of environment requires conditions that our related scene of environment will not be repetitive, the third kind of questions studies parameters that creates activation mechanisms of mind in environment.

The questionnaire results are expected to be used as an input for a new design studio.

The results show that "freedom and psychological security" are essential needs of students. Undesirable environment and workspace and curriculum disaffection are significant factors in decrease of comfort and psychological security. Also having newness of environmental elements, and ability to create environmental changes are important factors to activate students mind continuously.

The analyses also indicate that climatic background has influences on what students expect as their desired studio.

References

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