

## Developing and Validating an Educational Model Based on Constructivism Learning Theory

Mozhgan Fereydoun Nezhad\*

Gholamali Afrooz\*\*

Masoud Gholamali Lavasani\*\*\*

### Introduction

Effective educational models must properly observe the needs of the new age and be based on scientific theories. The aim of this study was to develop and validate an educational model with constructivism learning theory.

### Method

This research is a qualitative study that uses the method of content analysis by Brown and Clark (2006). The participants of this study were 22 experts on the subject who were selected by purposive sampling method. The strategy of selecting these participants was based on the relevance of their published articles in line with this research topic. In other words, only those researchers were selected who had the most theoretical relevance and research background on the subject. The rule of theoretical saturation was also used as the basis to determine the number of participants. Data analysis was performed in three stages of open coding, axial coding and selective coding. MAXQDA 2018 software was used for data analysis. The validity of the findings was assessed based on content validity component (CVI) and the reliability of the findings was assessed based on the kappa coefficient test.

### Results

The findings of this study led to the identification of ten components as

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\* Ph.D. Student Educational Psychology Kish International Campus, University of Tehran, Iran. *Corresponding Author:* [mozhgan.fr@yahoo.com](mailto:mozhgan.fr@yahoo.com)

\*\* Professor, Faculty of Psychology and Educational Sciences, University Tehran, Tehran, Iran.

\*\*\* Associate Professor, Faculty of Psychology and Educational Sciences, University of Tehran, Tehran, Iran.

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follows: Subject, participation, learner-centered, activation, learning context, support, knowledge and experience, presentation, application and evaluation which together form an educational model based on constructivism model.

### **Conclusion**

The research findings suggest that the current model be used to increase student participation and interaction in the classroom.

**Keywords:** Educational model, Constructivism, Learning theory, Validation

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