

Using ICT Model of Simultaneous Learning Based in Theory of Planned Behavior Diagram : Research of Home Economics Teachers

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..... Abstract

Recently, the use of ICT is recommended for public school education. Teachers are thus required to develop their teaching skills in response to this trend. The purpose of this study is to clarify the use of ICT model in simultaneous learning which is based on theory of planned behavior diagram by Ajzen. This theory enables us to show the factor affecting teachers' behavior. I investigated 183 home economics teachers who use ICT by conducting a questionnaire study and analyzing the data by covariance structural models. The results showed that intentions to use ICT was most strongly affected by the attitude toward using ICT. Furthermore, it showed that the attitude toward using ICT and subjective norm on using ICT were positively related with each other. However, the perceived use of ICT did not influence the other factors. It is useful for the teachers to increase their willingness to use ICT in simultaneous learning. In addition, the subjective norm on using ICT can be effective in increasing attitude toward using ICT. It is important for teachers to have the sense of mission and responsibility in using ICT.

Key words; using ICT model, simultaneous learning, theory of planned behavior diagram,
home economics teachers