

Experiential Learning in an Earthquake Engineering Course Using Online Tools and Shake Table Exercises

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Abstract : Experiential Learning (ELE) is a strategy for enhancing the teaching and learning of courses especially in civil engineering. This paper presents the adaption of the ELE framework in the delivery of various course requirements in an earthquake engineering course. Examples of how ELE is integrated using online tools and hands-on laboratory technology to address the course learning outcomes on earthquake engineering are presented. Student feedback shows that ELE using online tools and technology strengthens students' understanding and intuition of seismic design and earthquake engineering concepts.

Keywords : earthquake engineering, experiential learning, shake table, online, internet, civil engineering

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