

A Novel Instructional Design Model for Developmental Researchers and Instructional Design Practitioners in Pattern Construction Open Education

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Abstract:

Traditional pattern construction education, heavily reliant on apprenticeships that provide technical skills through on-the-job training, is becoming inefficient and unsustainable. This is particularly apparent with the rapid emergence of novel pattern construction technologies and approaches that require continuous reskilling and upskilling of professionals and academics with outdated skill sets.

Open educational resources (OERs) present an efficient and sustainable alternative to address these limitations and diffuse novel pattern construction technologies and approaches. However, establishing effective OERs requires a customised instructional design model (IDM) aligned with the field's specific theories and learning requirements. Such a model is currently lacking, hindering the field's transition to a theory-based learning approach customised to its unique practices.

Keywords:

Instructional design model, open education, pattern construction.