

# Scale for self-evaluation of competencies in online teaching: A systematic study of design and validation

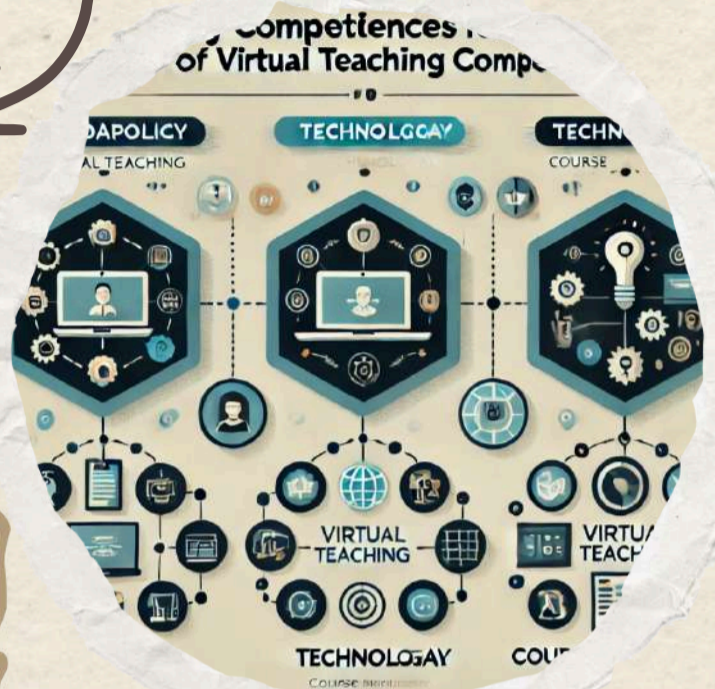
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## INTRODUCTION

The Honduran Higher Education System lacks instruments that evaluate various constructs associated with the online teaching modality, which constitute as evaluation models aimed to monitor and assure the quality of higher education in its online teaching modality.

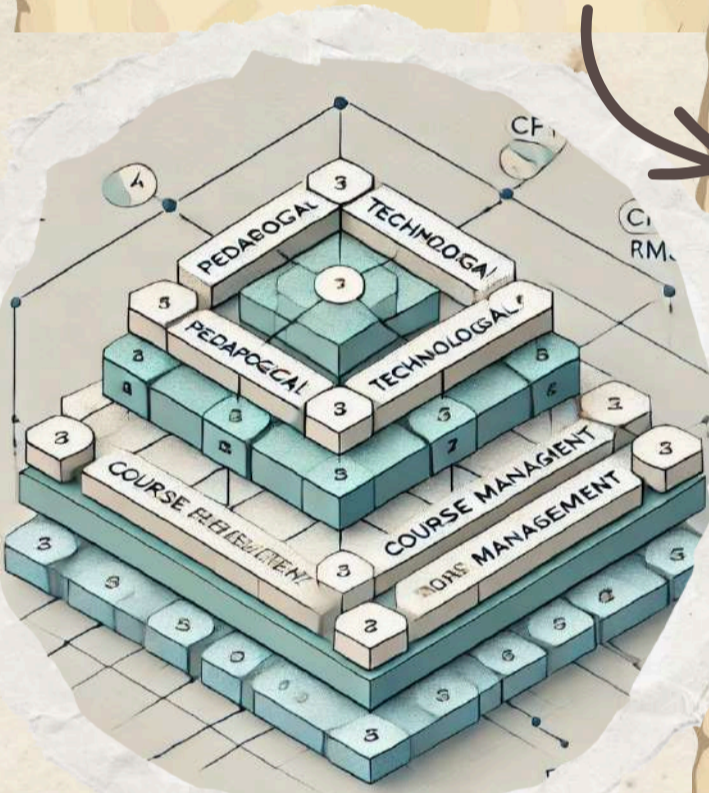
## OBJECT AND FOCUS

Hence, this study was oriented to design an instrument that would gather the required psychometric properties for the valid and reliable measurement of the competencies in online teaching of university professors, during the year 2023. For this purpose, a mixed research approach was used, but with a greater quantitative weight.



## SAMPLE AND SCALE

The sample was non-probabilistic, by convenience and was integrated by 650 university professors from the UNAH, UPNFM and EAP Zamorano. The Scale for self-evaluation of competencies in online teaching (ECODEV) was constructed through a systematic review of the literature under three theoretical factors: pedagogical, technological and course management competences.



## FINDINGS

The findings ratified that the construct under measurement is composed of these factors with a total of 49 items. The factorial model of the ECODEV corresponds to a hierarchical model and it is explained by a total cumulative variance of 0.66, a total  $\Omega$  of 0.99 and with fit indexes CFI = 0.999, RMSEA = 0.043 and SRMR = 0.045.



## CONCLUSION

In conclusion, the ECODEV has a satisfactory psychometric quality and, therefore, provides robust and relevant information about its measurable construct in university teachers in the Honduran context.

