

MASCOT: Design and Development of an Interactive Self-Evaluation Tool for Students' Thinking Complexity

Authors : Xin Gao, Jun Wu

Abstract : 'In Dialogue with Humanity' and 'In Dialogue with Nature' are two compulsory General Education Foundation (GEF) courses for all undergraduates at the Chinese University of Hong Kong (CUHK). These courses aim to enrich students' intellectual pursuits and enhance their thinking capabilities through classic readings. To better understand and evaluate students' thinking habits and abilities, GEF introduced Narrative Qualitative Analysis (NQA) in 2014 and has continued the study since then. Through the NQA study, a two-way evaluation scheme has been developed, including both student self-evaluation and teacher evaluation. This study will first introduce the theoretical background and research framework of the NQA study and then focus on student self-evaluation. An interactive online application, MASCOT, has been developed to facilitate students' self-evaluation of their own thinking complexity. In this presentation, the design and development of MASCOT will be explained, and the main results will be reported when applying it in classroom teaching. An obvious discrepancy has been observed between students' self-evaluations and teachers' evaluations.

Keywords : narrative qualitative analysis, thinking complexity, student self-evaluation, interactive online application

Conference Title : ICPP 2024 : International Conference on Pedagogy and Psychology

Conference Location : Tokyo, Japan

Conference Dates : July 22-23, 2024