



2nd International Conference on Teaching and Education

26 - 28 February 2025

London, United Kingdom

The Impact of Online Cooperative Learning (OCL) in the Blended Learning Flex Model on Academic Performance and Learner Attitudes

Raja Muhammad Idrees, Saqib Hussain

Roots IVY International School, Pakistan

ABSTRACT

The study investigated the incorporation of Online Cooperative Learning (OCL) into the Blended Learning Flex framework, with the objective of ascertaining its impact on student attitudes and academic achievement in postsecondary education. Few studies have examined how OCL fits into this instructional approach, despite the well-established advantages of blended learning, notably its influence on academic success and self-directed study abilities. A quasi-experimental study involving 150 university students was carried out to bridge this gap. The control group adhered to a conventional blended learning framework, while the experimental group used the Flex model with OCL. Standardized examinations were used to measure academic performance, and validated surveys were used to gauge learner attitudes. Results assessed with SPSS revealed that, as compared to the control group, students in the OCL-integrated group demonstrated statistically significant improvements in both academic success and problem-solving skills. Additionally, it was found that OCL positively affected student engagement and attitudes toward collaborative learning, indicating that this instructional approach can enhance both academic performance and the learning process as a whole. The results offer useful information for policymakers and educators working to enhance online education practices. Furthermore, they assert that incorporating OCL into the Blended Learning Flex paradigm can improve higher education teaching strategies. Further studies may delve into the enduring effects of this framework and its wider relevance across diverse academic environments.

Keywords: Online cooperative learning, blended learning flex framework, online education approach, problem solving skills