Block Model Teaching- a Style of Teaching that Encourages Student-Centred Learning for Students Majored in Building Surveying

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A student-centred learning approach generally refers to a teaching method that shifts the focus of instruction from teachers to students. The student-centred learning approach for students who majored in building surveying includes encouraging students to work collaboratively through group discussion and project-based learning (Agumba et al., 2014; Heo et al., 2010). This is particularly important for these students who must apply their knowledge in the dynamic construction environment.

However, despite its advantages, student-centred learning faces challenges, including lecturers' difficulties in class management and the longer time required for students to achieve curriculum outcomes. The Block Model (BM) teaching method, which involves condensing subjects into shorter periods and breaking the total enrolled students into different blocks for teaching and management, is an efficient way to overcome these limitations. This paper compared student-centred learning strategies for two subject units designed to build surveying students in traditional mode (2016-2018) to the BM approach (2018-2024). After ethics approval, the results of the Student Evaluation of Unit (SEU) are compared between the traditional and BM approaches. On average, the overall satisfaction rate for the selected two subjects for the BM approach is 1.1 and 2.2, higher than that of the traditional mode.

References

Agumba, J.N. and Haupt, T. (2014, July). Collaboration as a strategy of student-centered learning in construction technology. In Proceedings 8th Built Environment Conference (Vol. 27, p. 29).

Heo, H., Lim, K.Y., & Kim, Y. (2010). Exploratory study on the patterns of online interaction and knowledge co-construction in project-based learning. *Computers & Education*, *55*(3), 1383-1392.