

永續校園環境美學評價之初探

蔡琳秋, 王維民, 蔡宜穎

建築與都市計畫學系

建築與規劃學院

yyint@chu.edu.tw

摘要

For creating a safe, hygienic, healthy and user friendly learning environment, sustainable campus development has become a national important planning project. The domain of sustainable campus includes the restoration and maintenance of the ecological environment and the construction of sustainable architecture, which aims to create sustainable and dynamic campus environment through the understanding of campus identity, culture, history, ecology and other features. Traditional campus design mainly adopts the enclosure style of spatial organization, in response to the need of sustainable development; campus design has been readdressed to consider the sustainability of site environment, ecological recycling, resource management, healthy architecture, disaster prevention and other various aspects. However, there is a lack of concern regarding users' sensory perception and emotional cognition, which is regardless the foundation for shaping the overall image and identity of campus environment. Consequently, this research focuses on the environmental aesthetics of sustainable campus. Through the investigation of campus users' environmental cognition and sensory perception, the research aims to construct evaluation guidance for future campus renovation and design reference. Potential influential factors regarding the integration between sustainable campus design and environmental aesthetics were first compiled through literature review fuzzy Delphi method (FDM) is incorporated to elicit key evaluation indicators. Entropy weight method can then be used to objectively calculate the weight of each indicator which could effectively provide design suggestion and consideration for future sustainable campus planning.

關鍵字 : sustainable campus; environmental aesthetic; fuzzy Delphi method; entropy weight