

# Aesthetic Evaluation Criteria for Sustainable Campus

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## Abstract

Sustainability discourses and environmental problems have become a fundamental part of everyday life concerns as we enter the end of the first decade of twenty-first century. With sustainable buildings promote better life conditions, sustainable campus aims to provide better environment for greater learning potential. Since the physical environment can significantly impact students' learning and instructors' teaching capability, the goal of sustainably designed school facilities is that they will operate more efficiently and last longer.

In attempt to understand the nature of aesthetic experience, it is useful to distinguish between sensory, formal, and symbolic interaction between viewer and the environment. Sensory aesthetics is concerned with the pleasure of the sensations human receive from the environment. Formal aesthetics is concerned primarily with the appreciation of the physical attributes in the visual world, such as the shapes, rhythms, complexities, and sequences of experiences of individual buildings and the combinations of buildings that form the built environment. Symbolic aesthetics addresses the associational meanings that humans hold through their appreciation of the environment (Lang1974).

This research aims to explore aesthetic evaluation criteria for sustainable campus planning. Potential influential factors concerning aesthetic values and experience in sustainable campus design were first compiled through literature review, Fuzzy Delphi method (FDM) was then incorporated to elicit key evaluation indicators. Entropy weight method could then be applied to objectively calculate the weight of each indicator to effectively provide design suggestion and consideration for future sustainable campus planning.

Keyword : aesthetic evaluation, sustainable campus, Fuzzy Delphi method, sensory aesthetics, formal aesthetics, symbolic aesthetics