



Illustration of design guidelines based on Campus Organizing Principles; Principles of Sustainable Design; and Functionality criteria

- 1. Building Circulation
 - a. Extends campus pedestrian network
 - b. Facilitates Informal and unplanned interaction
- 2. Shaped Roofs
 - a. Increase campus legibility
 - b. Protect building entrances
- 3. Clerestory Windows
 - a. Permit daylight to building interiors
- 4. Major Programmatic Elements Expressed as Separate Masses
 - a. Increase campus legibility
 - b. Accommodate incremental growth
- 5. Shaped Roofs
 - a. Provide volume for larger spaces
 - b. Improve airflow
 - c. Enhance acoustic properties
- 6. Large Roof Overhangs
 - a. Shade walkways and building glazing
- 7. Rain Screen Exterior Cladding System
 - a. Shades building's exterior walls
 - b. Provides energy savings and enhanced interior environmental control performance
- 8. Exterior Shading Devices
 - a. Protect East, West and South facing windows
- 9. Light Shelves
 - a. Bounce light deep into large rooms
- 10. Deciduous Trees
 - a. Shade walkways, seating and gathering spaces
- 11. Benches, Tables and Chairs
 - a. Located along walkways, near building entrances
 - b. Accommodate discussion groups, last minute class preparation or after class note making
- 12. Light-Colored Paving, Permeable to Water where possible
 - a. Reduce heat-island affect
 - b. Recharge ground water

The above illustration demonstrates one way campus planning principles and strategies to increase sustainability might influence the architectural characteristics of the campus. From this departure point, each building on the campus can be developed in response to its own unique criteria and context, to yield a campus that is rich and complex, coherent and interrelated.

The development of this type of image early in the process serves several purposes. They are clear demonstrations of the previously identified planning principles and their potential impact on the project. They are also the first step in understanding the impact of functional and technical requirements of specific components on the resolution of the campus as a whole. Simultaneously, they demonstrate the level to which the selected architectural elements address the functional, technical and expressive needs of the project, as they are understood at this point in the process. They facilitate a more complete understanding of the project's components by the entire project team, enabling a more informed discussion and evaluation of the relative merit of any element or strategy and ultimately, a more successful architectural resolution. Since the character of the final project is created by the spatial and material characteristics of its constituent elements and the affects they have on each other, manipulation of these elements early in the process permits them to be developed over a longer period of time, selected and arranged to the project's greatest advantage.

- Campus Organization Principle
- Sustainability
- Building Functionality Criteria

Architectural Guidelines: Building Design Criteria
Campus Planning And Sustainability