

**NASA CAI-LABORATORY – Program Space and Site Diagramming**

*Due Friday, October 6, 2007*

**Primary Assignment Objective:**

- *To establish program space relationships through diagram*
- *To establish diagrammatic footprint options for various site conditions considering sustainable impacts*

**WHAT YOU WILL DO:**

You have now completed your basic site analysis and will move into understanding the relationship of these influences on the building footprint within the context of sustainability. In addition, you will look at the programmatic spatial relationships throughout the building.

- 1) **Develop diagrammatic solutions addressing the program spaces and their relationship to each other. This can be a matrix, bubble diagram, or other graphic vocabulary as long as it:**
  - a. **is graphic in form**
  - b. **addresses relationships between spaces ranging from “no relationship” to “direct relationship” , including the variation between the two extremes**
  - c. **size of each program space**
  - d. **considers the massing of the building**
  
- 2) **Develop building footprint site diagrams responding to (but not limited to) the following, and develop these based on the sustainable impact each has on the building footprint within the site boundaries. Consider contextual elements (how existing structures, vegetation, use and topography impact the site).**
  - a. **Landscape**
  - b. **Drainage**
  - c. **Wind**
  - d. **Solar Conditions**
  - e. **Transportation**
  - f. **Entrance/Exit**
  - g. **Public Interest (tourism)**
  - h. **Noise (is it an issue?)**

**WHAT YOU WILL TURN IN:**

Produce a power point or pdf presentation displaying the assignment requirements. Electronic version is all that is required, but all images must be properly cited for reference source and must be clearly read in printable format.

**FINAL DUE DATE: FRIDAY, October 6, 2007 - 9am**