

ARCHITECTURE:

The Design Process

This series of inter-active lectures will describe the design process in its various preliminary phases, including the diagrammatic tools which architects use to help them determine the organization and consequent form of buildings, derived to satisfy the functional requirements of the client's project.

Participants will use a step-by-step process to arrive at conclusions upon which the next series of design decisions are made, eventually leading to a preliminary-design solution.

Slides of various student and actual projects will be used to demonstrate the path from the initiation of projects to preliminary, three-dimensional design solutions.

Discussion/definitions: architecture; design; programming; critique.

Introduce building-design project.

Discuss/explanation decision matrix.

Assignment: Decision Matrix.

Discuss decision-matrix decisions.

Show bubble-diagrams of preliminary space organization.

Discuss scale-drawings.

Assignment: Bubble-diagram of space relationships.

Discussion: space-relationship diagrams.

Discussion of circulation concepts; examples in various building types.

Assignment: space relationships with circulation paths.

Discussion of circulation paths.

Practical proportions of spaces.

Determining size, shape, and volume of spaces.

Assignment: preliminary space relationships with circulation paths--to scale.

Discuss space relationships.

Assignment: revise space relationships.

Discuss revised space relationships.

Determining volume of spaces.

How building form evolves.

What-you-see-is-what-you-get style.

Discuss study-model construction; show student models.

Assignment: three-dimensional building form; model.

Discuss building forms submitted.

Assignment: revise building form.

Discuss final building forms submitted.

Review the preliminary design process.

Discuss the intermediate phase of design.