

LA Design Orientation II

Project 1 Brief

PROJECT GOALS

The goal of this project is to create a design for the future development of the Clemson University's 'Shoebox' courtyards. This will include the establishment of a project concept, site opportunities, site constraints, and measurable project goals. Site inventory, research, and analysis, along with activities research, will be used to development a defensible design with concept compatible programs. The design should provide a well-defined and functional **entry sequence**, accessible and intuitive **circulation**, purposefully located **comfort amenities**, and concept compatible **programs**. The design should create programs that are appropriately dimensioned to accommodate the desired activity and create a comfortable, functional, and memorable experience from the user(s) perspective.

SITE PROGRAM

The plan may include, but is not limited to, the following elements:

- Entry threshold- required for all groups
- Outdoor event/ gathering space for all weather
- Comfort amenities
- General landscape and hardscape elements
- Accessible circulation
- Three (3) concept compatible programs/elements

TASKS

Task 1: Site Inventory and Base Map

Site Visit and Documentation Map

Requirements: Requirements are as follows:

1. Visit the site
2. Take inventory of the site- as a class
3. Document existing conditions graphically. Including:
 - a. Hardscape elements
 - b. Landscape elements
 - c. Specimen trees
 - d. Utilities
 - e. General topography (high points, low points, ridges, swales, contours if possible)
 - f. Viewsheds
 - g. Structures
 - h. Ecological, geological, hydrological systems
 - i. Social systems
 - j. Circulation patterns
 - k. Site character
 - l. Site comfort conditions
 - m. Sound conditions
 - n. Site access
 - o. Site context
 - p. Other

4. Choose a scale that fits on a 24" x 36" (or approved sheet size) landscape sheet
5. All drawings need to have a title, name, graphic scale, and cardinal directions

Learning Objective: The purpose of the exercise is as follows:

1. To learn how to take inventory of a site
2. To learn how to put together a base map
3. To develop strategies to take qualitative and quantitative inventory

Deliverables: (1) One 24"x36" dimensioned plan drawn to scale (by hand)

Digital Base

Due Date: 2/03

Task 2: Site Research

"Research is essential for evidence-based decision-making and creating spaces and systems that respond to environmental and human needs."

Landscape Architecture Foundation

Research can be used to:

- Better understand ecological, physical, and social systems of a site.
- Contribute to innovations that promote more sustainable, equitable, and cost-effective design.
- Support and inform future design decisions.

We all make design decisions and choices based on analysis of objective and subjective research. This assignment will focus on research and analysis of the social, physical, cultural, and ecological systems related to the immediate site and surrounding context. The analysis will be combined into a project research manual that will guide future design of the assigned site.

Topics and Assigned Individual

1. Demographics (Campus)-
2. Geography/ Context (Campus)-
3. Hydrology and Geology (Upstate)-
4. Flora and Fauna (Upstate)-
5. History and Culture (Campus)-

Requirements:

1. One (1) 24" x 36" map/diagram of assigned research
2. Determine scale and context of each map (scale should be reasonable)

Learning Objective: The purpose of the exercise is as follows:

1. To learn how research specific projects and topics
2. Practice working in a group to achieve a common goal

Due Date: 2/10

Task 3: Site Analysis

Develop analysis board(s) or the important existing site conditions gleaned from the inventory exercises. You should consider a minimum of three (3) topics. Consider the graphic representation and layout of your drawings. Although a draft, they should be clear, concise, and legible.

Deliverables: ALL DRAWINGS NEED TO BE TO SCALE

One (1) 24 x 36 Analysis Board of existing conditions

Due Date: 2/10

Task 4: SWOT Analysis and Concept

Perform **S**trengths **W**eaknesses **O**pportunities and **T**hreats analysis (**SWOT**).

Taking what is gleaned from the SWOT analysis and Site Analysis develop a concept and three (3) corresponding opportunities and constraints. Opportunities and constraints should be measurable or demonstratable graphically. Finally, develop two (2) main goals of your projects.

Deliverables:

One (1) 24x 36 diagraming your concept, SWOT analysis, opportunities and constraints, and goals. The board should contain an ideogram of your concept

Due Date: 2/10

Task 5: Existing Site Sections

Draft two (2) dimensioned section drawings of existing site conditions. Sections should be digitally rendered.

Deliverables: ALL DRAWINGS NEED TO BE TO SCALE

One (1) 24 x 36 Sections Board containing two (2) rendered sections of existing conditions.

Due Date: 2/13

Task 6: Model of Existing Conditions (Group)

Requirements: Model should include:

1. Topography
2. Site context
3. Buildings
4. Existing infrastructure
5. Existing trees
6. Existing elements of interest

Learning Outcomes: The purpose of the task is as follows:

1. Create model for future design studies
2. Practice using model building techniques
3. To develop skills coordinating design deliverables in large groups

Deliverables:

One (1) model to scale per class.

Due Date: 2/13

LA Design Orientation II

Project 2 Brief

PROJECT GOALS

The goal of this project is to create a design for the future development of the Clemson University's 'Shoebox' courtyards. This will speak to your established project concept, site opportunities, site constraints, and measurable project goals. Use your site inventory, research, analysis, and activities research, to inform the development of defensible designs with concept compatible programs. The design should provide a well-defined and functional **entry sequence**, accessible and intuitive **circulation**, purposefully located **comfort amenities**, and concept compatible **programs**. The design should create programs that are appropriately dimensioned to accommodate the desired activity and create a comfortable, functional, and memorable experience from the user(s) perspective.

SITE PROGRAM

The plan may include, but is not limited to, the following elements:

- Entry threshold- required for all groups
- Outdoor event/ gathering space for all weather
- Comfort amenities
- General landscape and hardscape elements
- Accessible circulation
- Three (3) concept compatible programs/elements
- Other

TASKS

Task 1: Site Design

Requirements: Requirements are as follows:

1. Design should include concept compatible:
 - a. Hardscape elements
 - b. Landscape elements
 - c. General topography (high points, low points, ridges, swales, contours if possible)
 - d. Structures
 - e. Comfort amenities
2. Choose a scale that fits on a 24" x 36" (or approved sheet size) landscape sheet
3. All drawings need to have a title, name, graphic scale, and cardinal directions

Learning Objective: The purpose of the exercise is as follows:

1. To learn how develop defensible designs
2. To focus on digital representation

Deliverables: (1) One 24"x36" dimensioned plan digitally represented per courtyard- (3) three total
(2) Two sections digitally represented per courtyard- (6) six total

Due Date: TBD

Task 2: Site Diagrams

Develop diagrams that communicate how the concept compatible site functions

Requirements:

1. One (1) 24" x 36" map/diagram per courtyard- (3) three total
2. Determine scale and context of each map (scale should be reasonable)

Learning Objective: The purpose of the exercise is as follows:

1. To learn how to communicate the design through diagrammatic representation

Due Date: TBD

Task 3: Model of Proposed Design- (1) One Per Courtyard- (3) Three Total

Requirements: Model should include:

1. Topography
2. Hardscape Elements
3. Landscape Elements
4. Site Structures
5. Other

Learning Outcomes: The purpose of the task is as follows:

1. Create model to communicate the design
2. Practice using model building techniques

Deliverables:

One (1) model per courtyard- Three (3) models total

Due Date: TBD