SPATIAL ANALYSIS (Architectural Graphic Communication)

Each group will choose a space on campus to study. You may choose any site on campus that you consider an “architectural space”. Your space can be either an interior or exterior space, but must have clearly defined spatial qualities. Choose a space that is appropriate for the types of diagrams you are required to create.

DRAWINGS

On 17” x 22” sheets of vellum (2 Max) you will prepare the following drawings:

1) Plan, may be freehand or hard lined, but must be drawn with graphic accuracy and line weights. The plan must be drawn at an architectural scale.

   Note: students may not use library archive plans to create your floor plan.

2) Minimum of 2 perspective sketches documenting the space.

3) Minimum of 4 diagram drawings, at an architectural scale.

Note: ALL DRAWINGS MUST BE DRAWN ON 2 SHEETS OF VELLUM MAXIMUM, MOUNTED (CLIPPED) TO WHITE FOAM CORE. You will have multiple drawings on each piece of vellum. Each group will need to consider the composition of drawings for their final presentation.

Consider starting with the floor plan as the initial drawing. The floor plan may be drawn freehand but must be to an architectural scale. Your plan drawing must include a north arrow, a graphic scale, and appropriate architectural labels for the space. All lettering must be of the highest quality hand lettering technique.

ANALYSIS DIAGRAMS

Prepare a minimum of 4 spatial and organizational diagrams. Your objective is to analyze and describe the space through drawing and diagrams only. Your spatial diagrams may vary from the scale of the plan drawing. Pay special attention to graphics. Try to create drawings and diagrams that read well and communicate your intentions. You may consider using color for emphasis on some of the diagrams.
The following is a list of possible diagrams to consider. These are only suggestions; you may choose to diagram anything that is important to understanding and communicating your space. Select the diagrams that best communicate the spatial qualities of the space you have chosen.

SITE DIAGRAMS
Water
Wind
Sun Angles / Shadows
Landscaping
Hardscape / Man-made Objects

CIRCULATION DIAGRAMS
Pedestrian Circulation
Bicycle Circulation
Vehicle Circulation
Major v. minor circulation (primary vs. secondary)

PROGRAM ANALYSIS
Program elements / spatial use
Public v. Private

FORMAL / SPATIAL ISSUES
Parti – (main organizing concept)
Volume
Heirarchy
Geometry
Axis / Symmetry
Regulating Lines
Structure
Rhythm / repetition

COMPOSITION / PRESENTATION

Consider composition and the format of your final presentation. Your composition should be arranged and read as a unified presentation.

Professional quality graphics are important for this presentation. Consult your textbook for presentation techniques and ideas. Pay special attention to line weights, lettering, neatness and level of detail in your presentation.
# Grade Evaluation Sheet – SPATIAL ANALYSIS

<table>
<thead>
<tr>
<th>Name:</th>
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<table>
<thead>
<tr>
<th>OVERALL PRESENTATION QUALITY</th>
<th>1 2 3 4 5</th>
<th>/ 30</th>
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<tbody>
<tr>
<td>Overall presentation is complete, accurate and well drawn. Drawings are easy to understand and can be clearly read. Drawings are composed in a unified manner.</td>
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<table>
<thead>
<tr>
<th>PLAN DRAWING</th>
<th>1 2 3 4 5</th>
<th>/ 10</th>
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<tbody>
<tr>
<td>Drawing is accurate and contains an appropriate level of detail. Drawings are clearly labeled and include a north arrow and a graphic scale.</td>
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<thead>
<tr>
<th>PERSPECTIVE SKETCHES (MIN 2.)</th>
<th>1 2 3 4 5</th>
<th>/ 20</th>
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<tbody>
<tr>
<td>Perspective sketch accurately depicts the spatial qualities of your analysis.</td>
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<tr>
<th>DIAGRAMS (MIN 4.)</th>
<th>1 2 3 4 5</th>
<th>/ 40</th>
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</thead>
<tbody>
<tr>
<td>Drawings are complete, accurate and well drawn. Drawings are easy to understand and can be clearly read. Drawings are composed in a unified manner.</td>
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**Grade**

1=Poor  
2=Fair  
3=Average  
4=Good  
5=Excellent

**Comments:**