Temple University: Tyler School of Art: Department of Architecture

ARCH 1012: VISUAL LITERACY FOR ARCHITECTS II

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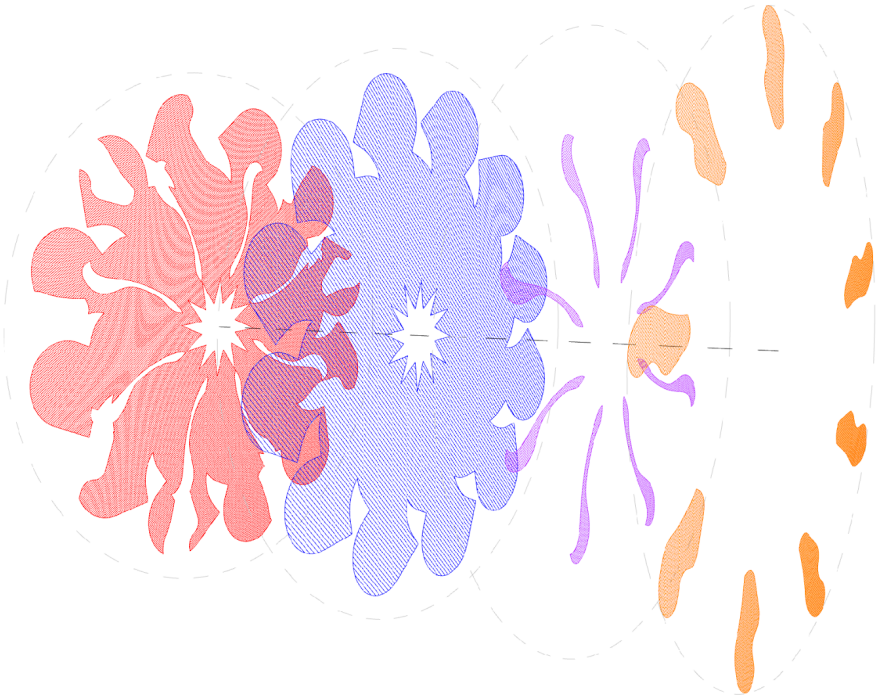
SPRING 2023



PART 1A: OVERLAID FIGURES

DUE: THURSDAY, JANUARY 26

BACKGROUND:

This exercise introduces a series of toolsets in Rhino3D and a process of generating 2D geometry in Rhino and preparing it for presentation in Adobe Illustrator. This assignment introduces students to a full range of software and techniques typically utilized within the architectural workflow. This assignment looks not only at the technical aspects of the digital tools but also at how the tools can be integrated into the entire design process beginning with conceptual design all the way through production of completed projects and their documentation. In addition, students will gain a better understanding of the conceptual framework behind the Rhinoceros Software by exploring 2D and 3D constructions through physical modeling making, digital modeling, digital fabrication and presentation production.

SKILLSETS + TOOLSETS:

Rhino3D, Adobe Illustrator

SKILLS LEARNED:

Basic Rhino3d – Line, Curve, Polyline, Polygon, Scale, Rotate, Move, Array, Copy, Join, Trim, Split, Group, Layering

Basic Illustrator – New file, place image, rulers, guides, toolbars, art board, layout, single line text, box text, clipping mask, arrange, align, rectangle, fill & stroke, swatches, scale, spell check, copy remember layers, scale stroke & effects

EXERCISE:

This assignment will require layering and data management skills that are essential to success in this course and the architecture program. By creating 2D regions and exploring their interactions, each student will develop a series of drawings that explore two-dimensional boolean relationships. Each drawing will be represented as linework, hatched linework, and unified figure.

STEPS:

+ Familiarize yourself with the Rhino3D interface by watching the series of video tutorials available on sites.temple.edu/arch1012. Follow along with these tutorials so that you can complete the following steps.

+ Set your unit to feet in Rhino3D and create an 8-foot by 8-foot rectangle to serve as a guide.

+ Following along with tutorial 04 and 05 to create a series of overlapped 2D compositions.

+ These compositions can then be layered, hatched and exported to Adobe Illustrator.

+ Be sure to save your Rhino3D file often.

+ Export each of your drawings to Adobe Illustrator so that you can control the lineweight, stroke and color of each composition.

+ Your presentation will consist of ***(3) - 8.5" x 11" sheets***. Each sheet will use the template provided on OneDrive and consist of a different iteration of your 2D overlapped figures

+ Save the Illustrator file as both an .AI & .PDF file type. Keep all original image files for backup.

DELIVERABLES + SUBMISSION FORMAT:

+ (3) Individually exported 8.5" x 11" sheets printed and pinned up on Thursday, January 26.

+ Prior to the presentation submit a single 8.5" x 11" Portrait PDF file with individual 3 pages digitally to your section's OneDrive folder. Please us the nomenclature "***P01a_lastname_first initial.PDF***" for the file name. If, for example, your name is "Bob Smith" you will save your work using the nomenclature "***P01a_Smith_B.PDF***."

+ Following the review, you can make edits and submit a revised file if you choose to. All revised files are due by 5:00pm Sunday, January 29. Late work will not be accepted. These files should update errors or suggestions mentioned during the pinup and use the nomenclature "***P01a_lastname_first initial_V2.PDF***"