

Architecture Studio: Foundation II / 1st Year Spring

Spring 2016, CMU, Arch #48-105, M/W/F 1:30-4:20
Studio Website: www.andrew.cmu.edu/course/48-105

Coordinator: Kai Gutschow
Email: gutschow@andrew.cmu.edu
Off. Hr: by appt. in MM302

(1/11/16)

Proj.1: MARBLE PERFORMANCE - Modeling Surfaces

Proj.1. ASSIGNMENT 2 - DUE Wed. 1/13

Ghost Tag: #48105_p1_a2

Repeat the assignment several more times for homework, but change criteria and goals to develop multiple ideas, variations on a theme. Avoid being stubborn, or sticking only to your first instincts and ideas. Try something new and uncertain. Force yourself to pursue an uncomfortable or difficult direction.

Reflect on the variations and alternative marble-moving structures you made. Work to develop “design criteria” and “performance measures,” as well as clear “concepts” and “intentions” that will allow you and your classmates to evaluate the success of your work, and define concrete ways to “improve” your work.

- Consider both the movement/performance of the marble, AND the design of the paper structure/stage that enables the performance.
- Sketch the object you made, highlight the “spatial” ideas
- In one drawing, increase the scale of your object dramatically so it reads as architecture
- Do research on the web, and in books (see readings below + library book cart)
- Diagram the path, performance, or choreography of the marble
- Define the “narrative” of your marble’s performance more precisely or poetically
- Describe in words the character of the performance, and the object
- Search for concepts and inspirations that you can use to develop your form and performance in Simitch & Warke’s book The Language of Architecture, especially chapter #2 (Concept), #7 (Mass), #8 (Structure), #11 (Space), #14 (Movement), #20 (Datum); #21 (Order), #22 (Grid) or #23 (Geometry). Pick specific images or ideas you want to work on in your marble moving structure.

For Wednesday

- read syllabus carefully; come prepared with questions or concerns
- set up your new work table and clean studio to prepare for new semester
- bring at least 5 notable variations of your marble-moving structure: at least 3 should be closely related in intent and show improvement / refinement
- be able to discuss some specific “performance criteria” for your marble structure
- bring several drawings and diagrams as outlined above
- Post many process images to your own Pinterst board

SOME SOURCES (for research or reference)

Angelil, M. & D. Hebel, Deviations. Designing Architecture. A Manual (2008), pp.36-63
Ching, Architecture: Form, Space, and Order 3rd ed. (2008)
Ching, F. & J. Eckler, Introduction to Architecture (2013) Ch.6.
Eckler, J. Language of Space and Form: Generative Terms for Architecture (2012)
Jackson, P. Folding Techniques for Designers: From Sheet to Form (2011)
Jackson, Cut and Fold Techniques for Pop-Up Designs (2014)
Vyzoviti, Sophia. Folding Architecture: Spatial, Structural, Organizational Diagrams (2003)

