CourseNo: ARCHA4747_001_2013_3

Meeting Location: AVERY HALL 115

Meeting Time: M 07:00P-09:00P

Instructor Information: Brigette M Borders Mark Allan Bearak

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Brief

Parametric modelers are commonly used in the development of digital architectural models, but they are rarely taken to the point of becoming physical realities. This course will look at the process of generating parametric algorithms then turning those models into physical realities. Students will work in groups to design a product that will be the physical realization of their scripted protocol.

Project Students will work in groups to design and fabricate a product that will be the physical realization of their scripted protocol. Groups will develop mathematical algorithms using parametric modelers such as Rhino.script and Grasshopper. Concurrently students will be testing modeling techniques in order to create a prototype for their final physical system. Students will then take their digital models, rationalize them, and physically construct the system using a material process from their prototype.

Final Project Students will prepare their product for a presentation mid way through the semester.