

SPRING 2008

ARC 440/640 TECHNIQUES- Relational Geometries

Omar Khan

Friday, 10:00 am – 12:40 pm

Hayes 302

This seminar will introduce students to concepts related to parametric design and prototyping. Using geometry as a basis for thinking about tectonics and responsiveness in materials it will develop focused projects around the theme of interfacing natural and artificial systems. Students will choose one of four sites: *soil, water, light* or *wind* as the locus of their investigations. They will develop constructions that directly respond or instill response in these conditions. These will be modeled and studied using Rhinoceros 3.0 and prototyped in specific materials using the Universal Laser Cutter and the Dimension 3d Printer. The seminar takes a hands-on approach to teaching all the software and fabrication tools.