

ADVANCED PROTOTYPING

ARCH 709 | F25 | Newell | M 08:30-11:30

SHARP TOOLS (SMART)

This course implements advanced material and fabrication skills through prototyping and tool making. We will design tools and make with them.

When it comes to design and construction, our tools are critical to defining what is possible. Tools allow for material modifications. Tools assist processes and create details. Tools permit remaking and the unexpected. Tools refine. Tools extend our skills. Tools augment tools.

Sharp Tools are effective and smart. They are aware of their surroundings, and they can be used repeatedly in different ways. They are ecological and human in their approach. They guide and evolve both processes and decisions. They make new things happen.

These *Sharp Tools* will have sites and tasks. We will be designing for a living and breathing world. They will lean on a focus that could include the environment, an exact location in time, modifying existing processes, remaking material configurations, altering ingredients, and other environmentally conscious production.

Makers in this class will be initially prompted with small projects and brainstorms that will spin into larger tasks specific investigations that lead to an evolution in the tool and the material and design outputs that it allows. The tools will be the focus, their outputs will be the joys.

This course is geared towards both DMT cohorts and is open to MArch students who have completed ARCH 537 and have met with the Professor.



work from previous MSMS and DMT cohorts