

CARNEGIE MELLON —ARCHITECTURE



School for American Craftsmen, Ceramic Studio, 1957

48-314C/48-614C: New Pedagogies: A Multiple-Making Approach to Inquiry in Craft + Computation

Units: 9

Instructor: Vernelle A.A. Noel

This course focuses on using ethnographic methods, computational modes of inquiry, and design to study manual craft and their intersections with technological practices. By re-describing, re-presenting, and re-interpreting craft practices in multiple ways we will consider ways of repairing both. Advocating for exploratory, experimental, and improvisational processes, the course seeks to situate craft as a site and method for critical, poetic, and speculative thinking that imaginatively and materially reconfigures theory, practice, and pedagogy. We will consider craft and computation by: (1) making descriptions; (2) making representations; and (3) making artifacts. By the end of this course, students will be able to formulate new ways of reframing craft and computation and offer critical perspectives on the roles of craft and technological systems in design and society.

The course uses two rating systems--the LEED Cities & Communities Rating System and Envision, from the Institute for Sustainable Infrastructure—as springboards for exploration and discussion of world rating systems that address these topics. The course provides a foundation for taking USGBC's LEED Green Associate and/or LEED Accredited Professional exams, or the ISI Envision Sustainability Professional exam and is designed to hone your critical thinking about sustainable urban design and infrastructure development in a global context.

