ARCH703-001
Taubman College of Architecture and Urban Planning
University of Michigan

Seminar: Friday 9am - 12pm rm.2227
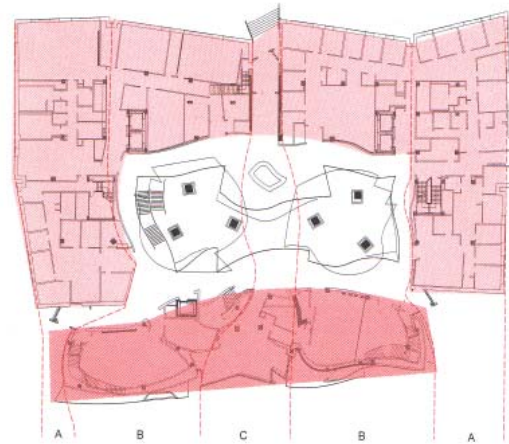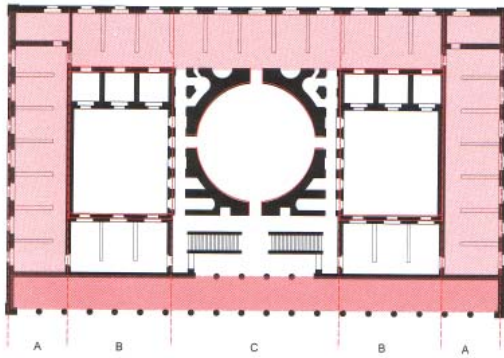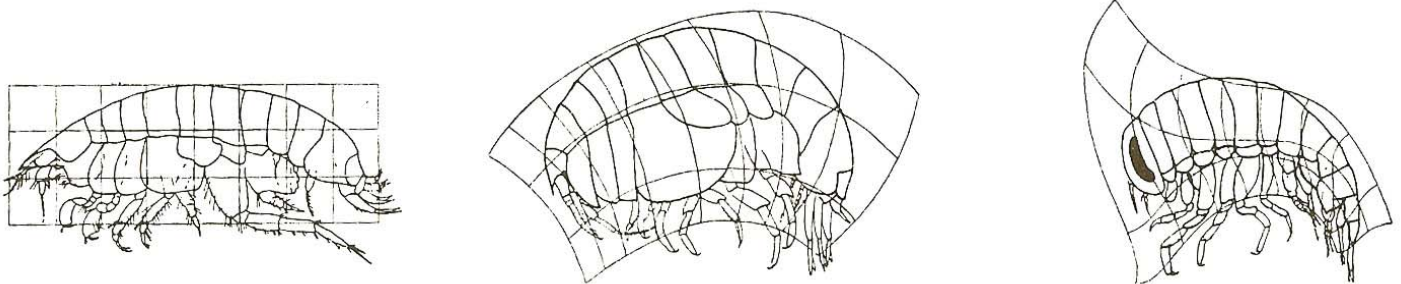Instructor: Daubmann

Virtual Engagement

Parametric practices suggest a mode of thinking beyond software, toward a way of defining explicit relationships, complex behaviors, and unforeseen responses. New computational tools and network thinking reveal emergent behaviors, which challenge traditional notions of hierarchy in part-to-whole relationships. Given new thinking and new tools, designers are able to define multiple relationships that can be varied and are able to mutate throughout the duration of the design process.

Plan diagrams of Schinkel's Altes Museum and Gehry's Peter B. Lewis Building from Eisenman's Ten Canonical Buildings 1950-2000.

The course is structured around a series of tightly framed and directed vignette / exercises. A series of tutorials is coupled with the exercises to introduce various methodologies, techniques, and modes of structuring parametric models. Each student will maintain a blog throughout the term to post the various exercises, investigations, and responses to the readings. The blog operates to synthesize the discrete explorations into an overall body of work from the course.

Experience with Digital Project is not required and the course assumes only a working knowledge of computer modeling with other software packages.

Morphological distortions from On Growth and Form by D'Arcy Wentworth Thompson