A DESIGN PERSPECTIVE ON SPATIAL THINKING FOR SPATIAL THINKING ACROSS THE COLLEGE CURRICULUM

David Tulloch, Associate Professor
Rutgers University
“Drawings are not just end products: they are part of the thought process of architectural design. Drawings express the interaction of our minds, eyes and hands.”

- Michael Graves (2012)
Design education

- Rapid
- Immersive
- Sensory
- Active
- Problem-based
- Creativity and tradition
- Accreditation
Sensory learning

- Putting pen on paper
- Seeing and drawing
- Constructed drawings
- Building models
Concrete representations
Abstract creations

- Subtly spatial
Field Trips

- Is it different?
- Tactile
- From paper to field
- Field to paper
- Shared experiences
Studio – The locus of creation

- Enduring icon of design education
- Known for late-nights, lost weekends and unbridled creativity
- Problem-based learning
- Collaborative
- Active
- Dedicated spaces
 Models from Intro to Environmental Design | (11:550:231) taught by Dr. Allan Shearer
Other issues

- Talent vs. skill?
- Multi-scaled scales
- Geography overlapping design
Intersections

- Diagramming
- Creativity
- Complexity
- Visual acuity
- Topology
Potential lessons and questions

- Problem-based learning
- Time-consuming
- Forced behavior or natural tendencies
- What level of preparation do students bring?
- Does accreditation change it?
- What classes/techniques transfer best?
- How do they compare with geographers (and others)?
Provocative finish??