**EQUILIBRIUM: LIVING AND LEARNING AT SEA LEVEL**

Georgia Institute of Technology | College of Design | School of Architecture

ARCH 8856 Advanced Architectural Design Studio
Associate Professor Michael Gamble, Architect and Director of Graduate Studies

**Keywords:** Climate Change, Technology, Urban Site/Public Space, Typology/Programming, Representation

**Mode of Representation:** Drawing, Digital and Physical Models, Section

**Course Objectives**
ARCH 8856 Advanced Architectural Design Studio is the first of four upper-level options studios in the Master of Architecture curriculum within the School of Architecture. The studio will focus on issues related to architectural production via three key themes: The City, Technology, and Typology. Methods of analysis and design as research will preface each studio’s foray into one collective exercise on the theme of Structure/Systems/Balance and one instructor specific exercise on the theme of Architectural Typology/Technology.

**Studio Specific Program**
Students will work individually and in groups to develop a Weather and Ecology Living + Learning Community comprised of living areas for up to 30 research partners engaged in everything from energy, ecology, materials, oceanography, economics - multifaceted research; and community based learning components, including classrooms, exhibition space, maker space, a pier, and recreational spaces.

**Site**
TBD, at sea level, coastal, where land meets water and the city meets natural ecologies. Projects must traverse both.
A site visit will be scheduled.

**Studio Challenge**
This advanced studio will build on the momentum of successful interdisciplinary graduate and undergraduate level coursework: [www.zedhstudio.com](http://www.zedhstudio.com)

Students are challenged to design a site-specific living + learning community that, in addition to its conceptual beauty, has the ability to:

- Provide awareness of sea level rise, climate change, natural beauty and phenomena
  - Harness energy cleanly from nature and convert it into power
  - Accommodate floodwater, rather than fight against it
    - Respect ecologies and enhance them
  - Deploy advanced systems thinking in the areas of structure and enclosure

**Competition**
All projects will be submitted to the 2017 AIA Committee on the Environment Competition (COTE)