



DESIGN / EAT / ACT

• Architecture • Agriculture • Ecology •

Spring Semester • 2015

Advanced creative coursework with professor Marc Fasanella



Green Streets & Clean Water
Campus Mall Redesign by
Casey Molfetta • Spring 2014
based upon work by
VIA Development



ADA Compliant Planter
Designed and built by
Graham Eickelberg & Troy
Petrignani
Spring 2013



Student activists creating
Green Graffiti
Spring 2012



Phyto-Cell Prototype # 1
By Deanna Lally
Spring 2011

Ecological Urbanism: *Contemporary Topics in Sustainability* • SUS 350 - Section 01

How do we develop cities that are integrated with and work in collaboration with the environment that sustains us? This course is an investigation of current ecological thought regarding the creation of individual buildings and neighborhoods. The history and meaning of urbanization, its effect on evolution, population density, ecosystems, resource use, culture, economics and politics will be considered. Innovation in environmental architecture, sewage treatment, storm-water runoff mitigation, agriculture and resilience will also be introduced. Lectures and exams cover seminal figures, structures, concepts and terminology essential to understanding contemporary notions of Ecological Urbanism. Project work engages students in the creation of an *Ecological Courtyard Analysis / Proposal* and the creation of a site-specific *Ecological Neighborhood Proposal*.

Agro-Ecology: *Contemporary Topics in Sustainability* • SUS 350 - Section 02

This Lecture / Lab course introduces students to current issues in global foodways, familiarizes them with agricultural research and engages them in the ongoing development of an Urban Agriculture project based in organic and permaculture based farming as well as the slow food movement. Field-work in the Life Sciences greenhouse and campus organic farm (Stony Brook Heights Farm) will afford students an opportunity for primary research and field-based experiences. In addition to a mid-term and final exam each student will propagate heirloom produce from seed and choose an agricultural topic of their own interest as a personal research subject for the course, each student will chronicle the work of a recognized practitioner in the field and create an original farm initiation proposal.

Tactical Ecology: *Contemporary Topics in Sustainability* • SUS 350 - Section 03

A hands-on course! Students engage in social analysis, problem-solving and participate in activist intervention activities centered on Ecological issues. Each student will select a topic of environmental oversight observed on campus, envision a creative way to portray the observed behavior or its antonym in graphic form, develop a benign tagging system to alert the campus community to the environmental concern and create an installation / performance during Earthstock festivities. We meet bi-weekly to study the power of slogans, graphics, tactical urbanism, flash mobs and other forms of collective action, brainstorm and develop ideas, discuss proposals and critique student work as a group. The final project for the course will be a five-minute animated PowerPoint

Independent Research in Environmental Humanities: *Applied Aesthetics* • EHM 487

A one on one seminar course that allows students to spend considerable time conducting an investigation into a specific area of concentration related to my ongoing research projects. Research areas being explored include Passive Solar Architecture, Phyto-Grid Systems and Ecological Art / Architecture / Design curriculum. The bulk of student work is done independently. We meet weekly to set benchmarks for continued progress and evaluate research thesis drafts.

Resister Today! • **Questions?** • **contact:** marc.fasanella@stonybrook.edu