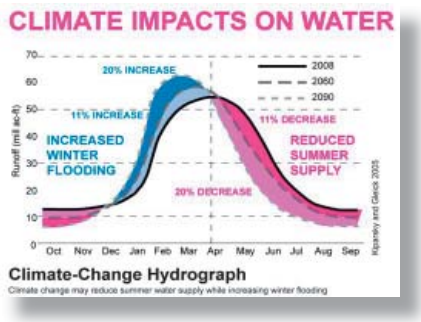
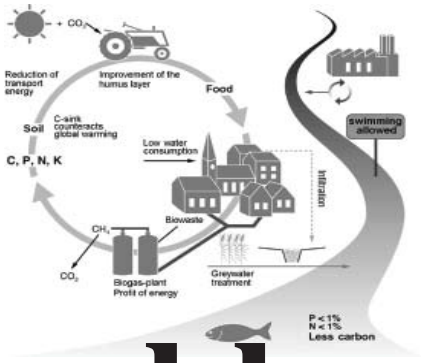
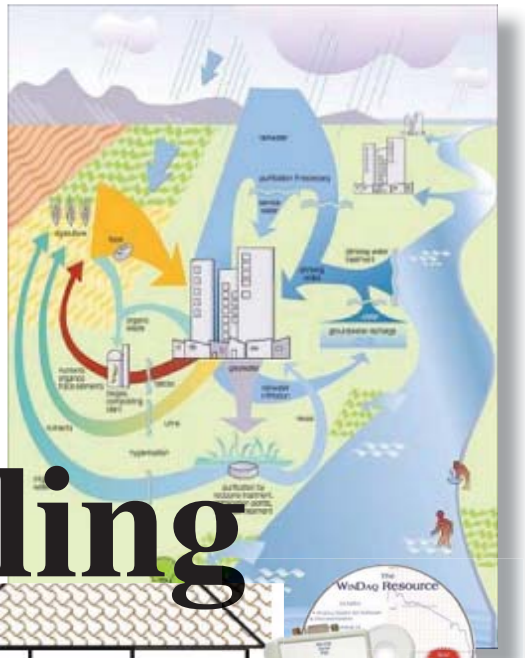
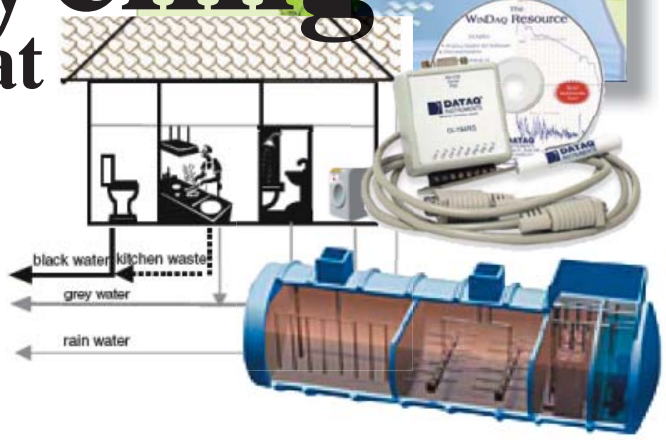






Sustainable Water Recycling at UC-Berkeley



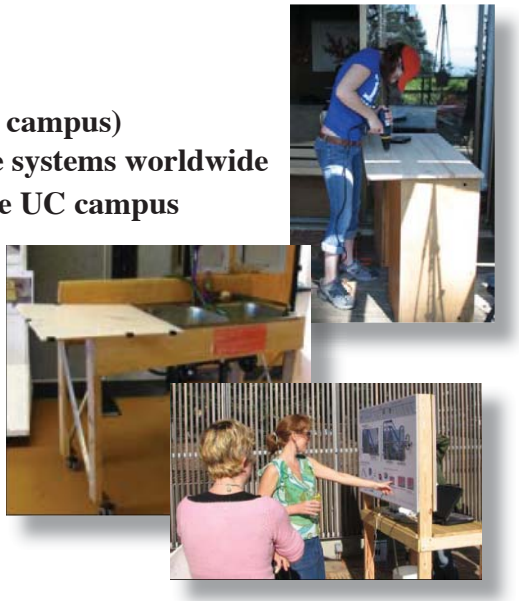
ER 291-002, CCN: 27510, Prof. Ashok Gadgil
CP 290 D, CCN: 13640, Dr. Vicki Elmer
(CEE cross listing course number in process)

Fall 2008, 3 units

T 2-5pm
106 Wurster

This course provides both a **policy approach and hands-on experience in design and implementation** of wastewater treatment alternatives that are carbon neutral, conserve and recycle water, and that reuse nutrients and bio-solids by using Wurster Hall as a pilot site. Teams of four or five students will take on separate aspects of this project in order to develop a menu of innovative water and wastewater alternatives to be used on the campus as a whole and to serve as a model for the urban US. Because these problems are interdisciplinary in nature, **we welcome students from a variety of backgrounds, including ERG, engineering, city and regional planning, physics, environmental science, architecture, economics, business, public policy, and public health, among others.**

Potential projects include:
- Design of real time water use monitoring system for Wurster (and campus)
- Identification of state of the art water recycling and nutrient reuse systems worldwide
- Preliminary cost-benefit analysis of water recycling systems for the UC campus
- Design of prototype water-recycling system for Wurster Hall



Prerequesites: Graduate student standing, or consent of instructor.
COURSE SIZE IS LIMITED

For more information, see:

http://bwc.berkeley.edu/