

Colton Bangs  
9/29/06  
E90

### **Topic Selection Memo**

My project for E90 will be involved with the constructed wetlands in the Crum, used to experimentally treat storm water runoff from the campus. Arthur McGarity will advise on the project. My plans for the wetlands are to install a solar powered pumping system to carry water into the wetlands, setup sampling devices at both ends of the channels to create experimental conditions under which to test performance in storm water treatment, using a tracer in the wetland to find residence time of the water, and construct a model to describe the system under various storm parameters.