

Homework 1

1. Read the article in AEES Tech Notes by Brown (pp. 6-13): ECOLOGICAL ENGINEERING: Interface ecosystems and adaptive self-organization

<http://aesociety.org/NewLetters/AEESTechNotes%20vol1issue1%201.pdf>

Describe the three realms of ecological engineering in your own words, using examples of systems that you want to work on as a professional. Create a diagram of a self-organizing system that you can work on as an ecological engineer. What strengths do you bring to ecological engineering based on your knowledge and abilities?

2. Read the article in AEES Tech Notes by Orr (pp. 11-17): ECOLOGICAL ENGINEERING: Review of Ecological Responses in Recent River Restoration Processes

<http://aesociety.org/news/AEESTechNotes%20vol2issue1c.pdf>

Summarize in your own words the conclusions you make about stream restoration based on this article. List the research needs to improve the science and practice of stream restoration. Describe how you can contribute to the future applications of stream restoration based on your education and experience.