

Lafayette College
Department of Civil and Environmental Engineering
CE 321: Environmental Engineering and Science Fall 2019

Homework #1
Due: Monday, 9/2/19

1. Using library and web resources, find three (3) separate hometown environmentally related news articles. Write a brief (one or two paragraphs) summary, in your own words, on each article. Be sure to add your own perspective on the incident. Include news articles with the summaries.
2. What is the name of the watershed your home-town is located in?
 - a. Identify three (3) issues/examples within your watershed that demonstrate significant environmental impact (i.e., unsustainable practices or conditions). Issues/examples could be based the follow:
 - i. areas that may be environmentally sensitive
 - ii. industry
 - iii. developments
 - iv. or any ongoing situation or activity that impacts the environment in some way.
 - b. Provide a sentence or two that explains each of the 3 issues/examples as you best understand it.
3. Variations in definition of *Sustainability*:
 - a. Identify three definitions of sustainability from there sources (for example, local, state, or federal government; industry; environmental organization; international organization; financial or investment organization).
 - b. Compare and contrast those definitions with the Bruntland Commission definition.
 - c. How do the definitions reflect their sources (i.e., where you got the definition)?
4. Using EPA's Website (www.epa.gov), research an area that interest you (e.g. Hydraulic Fracturing, Climate Change, Pesticides and Food, Microplastics in the Environment, Water Quality...etc.). Support information with one other source. Write a one-page essay; 1) define your topic, 2) explain why the topic is of interest, 3) how it relates environmental engineering, 4) how you might go about leaning more.