MAR 514 – CEY 501
Spring
Course Requirements/Grading
Michael E. White, Esq. - Lecturer

Learning Objectives

• Explain Environmental Management
• Compare the interplay between science and public policy
• Identify problems and definitions
• Analyze relevant data to produce information
• Contrast the roles of public perception and action in ultimately determining outcomes when consensus is not reached
• Apply management principles to environmental assessment, water, wastewater, solid waste, energy, air, climate change and the coastal zone
• Recognize current local environmental management problems to illustrate the broader conceptual issues.

PERCENT OF GRADE

● Attendance
  ○ Participation
    • Reading 10%

● Research/Writing/Reporting Assignment

The work product each student will prepare for the course this semester is based upon identification of an issue/problem relating to environmental management/environmental facilities, research and analysis of the issue/problem and presenting a course of action to address the issue/resolve the problem.

The selected issue/problem should be presented by each student, informed by a list to be provided for example and then approved before proceeding. The perspective on the issue/problem, whether it be environmental, governance, engineering/technical, or economic is also your choice. Importantly, while the focus of your work on the topic may change throughout the performance of the required elements or specific assignments as presented herein below, staying with the same fundamental issue/problem from beginning to end is preferable.

Element 1 10%

Identify your selected issue/problem and prepare an outline to describe the topic background, the issue/problem of concern as you see it and the desired outcome or resolution you intend on reporting and advocating. This element should include an identification of potential sources of information you may research and compile to support your work. It will also be helpful at this initial stage to provide some basic analysis of the forum in which or through which you will advocate to implement/take action and the expected result.
Element 2  

Prepare a “White Paper” which fully states the issue/problem supported by background research, the reasons why it needs to be addressed/resolved and then the who, how and when respecting the action to be implemented. The perspective of the “White Paper” will be determined by the forum/entity you are reporting/writing for or to. This writing must be informed by your research and analysis, with proper citations included, but most importantly present a persuasive, gripping but succinct argument.

Element 3  

a) Prepare an outline and plan to organize a community/interested party meeting to present the “White Paper” and seek support/consensus on the manner in which the issue/problem will be resolved. This element must include a presentation of specific tasks/action steps for which you would seek assistance/support and the constituency which you will seek to mobilize; or,

b) Prepare testimony in the form of submittal to the record of a committee of an elected body, presenting the “White Paper” and specifically the “ask” of the committee, as well as their related body as a whole; or,

c) Prepare an “op-ed” piece for publication in the local media which presents a commentary/editorial opinion founded in your “White Paper”. While this approach may at first appear relatively simpler than the other alternatives, it is essential to keep in mind that there is an “art” to writing an interesting background and convincing commentary on any issue of this type, when the key constraint will be word/length limitation.

Element 4  

An oral presentation on your work product through Elements 1 to 3. The purpose of this element is to allow you to make your convincing argument, report on the method you choose to advocate, (a, b, or c of Element 3) and then generate and mediate a discussion among the class.

Element 5  

A reflection or debriefing on your work product though Element 4, to include what you learned which informed changes, if any, in your perspective of the issue/problem, the position advocated in your “White Paper”, the manner in which you processed the feedback received and what you may have done or reported differently to achieve a likelihood of success in your advocacy.

Class 1  

Introduction
Survey of the Course

Class 2  

Environmental Management/Environmental Facilities Generally
Environmental/Public Health Protection
Legal Framework
Governance
Sustainability
Facility Funding
Information/Documentation

Class 3
NYS 2100 Commission Report
NY Respond
NY Ready
NY Rising
Moreland Commission Report

Class 4
Environmental Management/Environmental Facilities
Wastewater
Coastal Waters
Ecosystem Based Management
Marine Spatial Planning

Class 5
Environmental Management/Environmental Facilities
Water Supply
Groundwater

Class 6
Environmental Management/Environmental Facilities
Solid Waste Management
Recycling

Class 7
Guest Lecturer
Assignment Element 1 Due by Email

Class 8
Environmental Management/Environmental Facilities
Energy – Power Generation
Hydraulic Fracturing

Class 9
Environmental Management/Environmental Facilities
Transportation Infrastructure
Assignment Element 2 Due

Class 10
Climate Change
Resiliency – Adaption

Class 11
Guest Lecturer
Assignment Element 3 Due

Class 12
Oral Presentations/Discussion on
Assignment Element 4

Class 13
Oral Presentations/Discussions Continued

Class 14
End of Class Discussion