COURSE TITLE:

POLLUTION CONTROL AND TREATMENT TECHNOLOGIES

COURSE DESCRIPTION:

This course is not envisioned as a heavy engineering course, it is meant to provide the student with exposure to the different types of equipment and practices used to control and/or treat pollution in all media.

COURSE OUTLINE

AIR POLLUTION CONTROL TECHNOLOGY

1) BAGHOUSES

2) SCRUBBERS

3) ELECTRIC PRECIPITATORS

4) STACK INJECTION

WATER TREATMENT

1) CHEMICAL TREATMENT TECHNOLOGY

2) BIOLOGICAL TREATMENT TECHNOLOGY

3) GROUND WATER TREATMENT
   a) Bioremediation
   b) Air Stripping
   c) Carbon Filtration

4) STORMWATER BEST MANAGEMENT PRACTICES (BMP 5)

WASTE TREATMENT

1) THERMAL TREATMENT TECHNOLOGIES

2) CHEMICAL STABILIZATION

3) BIOREMEDIATION/IN-SITU TREATMENTS

4) LANDFILLING

DSW 136080