

Department of Civil Engineering  
2012 Summer Semester  
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*Aquatic Environmental Science*

10. Fate and Transport of Pollutants

1. What is environmental pollution?
    - Major Pollutions in Japan and world
  2. What is pollutant?
    - Conventional pollutants
    - Emerging pollutants
  3. Major processes of fate and transport of pollutants
    - Source
    - Transport & Diffusion
    - Speciation & Distribution
    - Stability
    - Bioaccumulation & Bioconcentration
  4. Toward assessment of health and ecological risks
    - Hazard Identification
    - Determination of endpoint
    - Exposure Quantification
    - Dose-Response Analysis
    - Risk characterization
  5. Exercise
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