

11 July 2014

Department of Civil Engineering
2014 Summer Semester
Yoshimura Chihiro

Aquatic Environmental Science

12. 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 (appendix)
 - Hazard Identification
 - Determination of endpoint
 - Exposure Quantification
 - Dose-Response Analysis
 - Risk characterization
 5. Exercise
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