

Department of Civil Engineering
2014 Autumn Semester
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Water Quality Dynamics
Outline #12: Eutrophication

1. Exercise
 - Ex-24 and 26
 2. Equilibrium Model
 - Equilibrium constant and temperature
 - Packages of equilibrium model
 3. Eutrophication of Lakes
 - Major processes of eutrophication
 - Stoichiometry and limiting nutrient
 - Mass balance of total phosphorus in lakes
 - Dynamic ecosystem models
 4. Exercise
 - Ex-27, 28, and 29
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