

Department of Civil Engineering  
2010 Summer Semester  
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## Aquatic Environmental Science

### Outline #05 (17 May 2010)

1. Report outline
  2. Questions and answers regarding the last lecture
  3. Oxidation and reduction
    - Redox potential (ORP,  $E_h$ )
    - pE-pH diagram
    - Anaerobic digestion
    - Aerobic and anaerobic digestion
  4. Dissolution and deposition
    - Solubility curve
    - Solubility product
    - Solubility and pH
    - Solubility of metals
    - The rate of dissolution
  5. Exercise
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