



Department of Civil and Environmental Engineering  
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## Aquatic Environmental Science

### 13. Principle of Water Treatment

1. Important parameters in water treatment
    - Review of basic water chemistry
    - pH, dissolved oxygen, TOC, COD, BOD
  2. Concept of water treatment
    - Key approaches
    - Major physical and chemical techniques of water treatment
    - Major biological treatment
  3. Basics of domestic wastewater treatment
    - Typical water quality and target water quality
    - Major processes
    - Concentrated and distributed approaches
  4. Exercise
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