



Department of Civil and Environmental Engineering
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Aquatic Environmental Science

14. 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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