

Department of Civil Engineering
2014 Summer Semester
Yoshimura Chihiro

Aquatic Environmental Science

10. Nutrient Dynamics

1. Essential Elements
 - Macronutrient, Micronutrient
 2. Importance of Nutrients in Aquatic Systems
 3. Nitrogen Cycle
 - Fixation, Assimilation, Nitrification, Denitrification
 - Nitrogen Transformation Model
 - Nitrogen-related Kinetics
 4. Phosphorus Cycle
 5. Primary Production
 - Aquatic Plant, Phytoplankton
 6. Exercise
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