

25 June 2012

Department of Civil Engineering
2012 Summer Semester
Yoshimura Chihiro

Aquatic Environmental Science

11. Ecosystem & Biodiversity

1. What is an ecosystem?
 - Major components
 - Difference with “environment”
 - Taxonomic system
 - Current species richness on earth
 - Population, community and ecosystem
 - Succession and disturbance
 - Interspecies relationship
 - Food chain and trophic structure
 2. Biodiversity
 - 3 levels of biodiversity
 - Genetic diversity and modern taxonomy
 - Species diversity and diversity index
 - Spatial assessment of species diversity
 - Ecological niche and environmental filter
 3. Exercise
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