



Department of Civil and Environmental Engineering
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Aquatic Environmental Science Outline #3: Watershed Hydrology and Aquatic Ecosystem

1. General Introduction of Hydrology
 - Historical and social background of hydrology
 - Definition of hydrology and watershed
 - Latest trend in hydrological research
 - Hydrological cycle at global and watershed scales
 - Water balance
 - Stream flow variability and human impacts
 2. Relation of Hydrology to Aquatic Ecosystem
 3. Relevant Anthropogenic Impacts and Its Modelling
 4. Exercise
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