

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 between Hydrology and Aquatic Ecosystem
3. Relevant Anthropogenic Impact and Its Modelling
4. Exercise