

Department of Civil Engineering
2014 Summer Semester
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Aquatic Environmental Science

9. Sediment

1. Size continuum of particles
 - Dissolved and particulate
 - Inorganic and organic
 2. Sediment
 - Particle sedimentation
 - Wash load, bed material load, suspended load
 - Sediment dynamics in rivers
 - Erosion and sedimentation
 - Dynamics of river channels
 3. Organic particles
 - DOM, FPOM, CPOM
 - Colloids
 - Size distribution of organic particles
 4. Solid - water interface
 - Chemical bonding
 - Adsorption
 - Adsorption isotherm
 5. Exercise
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