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Department of Civil Engineering
2014 Autumn Semester
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Water Quality Dynamics

Outline #2: Mass Conservation

1. Exercise
 - Ex-2 to Ex-4
2. Basics of transport phenomena
 - Advection
 - Dispersion
3. Simple transport equation
 - Completely Mixed System
 - Impulse Input
 - Continuous Input
 - Plug-Flow System
4. Exercise
 - Ex-5 to Ex-9