

28 October 2014

Department of Civil Engineering
2014 Autumn Semester
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Water Quality Dynamics

Outline #4: Simple Transport Phenomena

1. Exercise
 - Ex-10 and Ex-11
2. Basics of Transport Phenomena
 - 1D Advection and Dispersion Equation
 - Case of Impulse Input
3. Simple Transport Equation
 - Completely Mixed System
 - Impulse Input
 - Continuous Input
 - Plug-Flow System
4. Exercise
 - Ex-7, 8, 9, and 12