

Reading Guide

CEEG 340–Introduction to Environmental Engineering

Instructor: Deborah Sills

Reading assigned for Monday 9/16: Textbook 116–122

After completing the reading, you should be able to:

1. Describe the law of conservation of mass.
2. Write an equation that describes the mass balance of a system, and define each term in the equation (Eq.4.3).
3. Define the term “control volume.”
4. Describe the terms “steady state” and “nonsteady state” (see Example 4.1).
5. Describe the different forms of mass flux due to a reaction.
6. Describe the six steps used for solving mass balance problems.