

Septage – Biosolids

Module Perspective

1. What is the topic?
 2. Who is (are) the audience(s)?
 3. What is the course goal?
 4. What are the learning objectives?
 5. What are you trying to cover?
 6. How do you plan to do this?
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1. The topic for this course module is septage – biosolids land application. Residuals are a component of every on-site wastewater treatment system. These residuals must be properly managed to have an effective management program.
 2. The target audience includes upper division (junior and senior) undergraduates and graduate students from engineering and non-engineering disciplines.
 3. The goal for this module is to provide students a basic understanding of septage – biosolids land application and how it can be safely managed.
 4. Upon completing this module, students will have:
 - a. a fundamental understanding of septage - biosolids,
 - b. an understanding of potential risks associated with septage - biosolids usage
 - c. a functional knowledge of the mechanisms for septage - biosolids treatment and management.
 5. Topics included in this course module include:
 - a. what is septage - biosolids
 - b. public health risks associated with septage - biosolids usage
 - c. septage - biosolids treatment methods
 - d. land application considerations
 - e. land application methods
 6. This course module includes syllabus, text, lecture notes, example problems to be worked by the instructor, in-class problems to be worked by students, PowerPoints with notes, and out-of-class problems.