

COURSE SLO ASSESSMENT REPORT, SCC

Department: Water Utility Science Course: 111

Year: 2013 Semester: Fall

Faculty Member:

1) Outcome to be assessed	2) Means of assessment and criteria of success	3) Summary of data collected	4) Analysis of data	5) Plan of action/what to do next
<p>Upon completion of Water 111, students will be able to:</p> <ol style="list-style-type: none">1. Will be able to accurately describe at least four steps in typical preliminary wastewater treatment.2. Be able to perform basic applied math as related to wastewater treatment, in terms of flows, dosages, and velocities.	<p>Questions on the tests, and the final exam related to the outcomes being assessed.</p>	<p>For the 28 students registered in the class, 89% of the students were successful</p> <p>Key questions on the quizzes and exams final exam were used to identify if students understood core components of the instruction related to the outcomes accessed</p>	<p>The data indicates the following:</p> <p>10 to 15% of students struggled mainly due to lack of fundamental math concepts.</p>	<p>To ensure more students attain the knowledge level desired related to the current SLOs, the class presentations need to be re-designed to provide more exposure and opportunity to hone their math skills. Additionally, students must be encouraged to participate in class field trips to wastewater plants in order to better relate and understand the class learning material.</p>

STUDENT LEARNING OBJECTIVES:

1. Will be able to accurately describe at least four steps in typical preliminary wastewater treatment.
2. Be able to perform basic applied math as related to wastewater treatment, in terms of flows, dosages, and velocities.