Assessment, Improvement, Measurement (AIM) Report: 10/08/2013

Plan Year: 2012-2013
Unit: Environmental Technology
Coordinator(s): Jean Watts, Karman Wheeler
Reviewer: Tammy Liles

Objective or Outcome	Measure(s)				
	Measure Text	**Achievement Target**	**Results**	**Achievement Target Result**	**Use of Findings/Next Steps**
SLO 1 - Graduates will be able to keep a field log as part of the sampling process. the field log is an important component (legal document) associated with the sample process. Focus on this year on consistent and accurate entry of standard information.	Sampling is going to be based on observation and the utilization of a 40 point rubric.	Class average will be 32 points (80%) or better	The class average was 33 (82.5%)	Met	I will continue to use the improved method of teaching as well as introduce an earlier student-based evaluation of field notebooks so that they can identify their mistakes earlier in the semester and allow them to demonstrate their proficiency in meeting both scientific and legal requirements.
SLO 2 - Graduates will demonstrate information literacy by collection and evaluation of scientific literature ("science roundtable discussions")	Students select an article from an appropriate topic (approved by the faculty), summarizing and presenting their findings to the class. A rubric is used to evaluate the presentation and summary.	All students will score 70% or better.	The class average was 90%	Met	I will continue to use the current method of teaching these skills and use the evaluation rubric to identify students needing additional assistance and provide the assistance needed to improve student success.
SLO 3 - The graduates will be able to process and manipulate scientific data.	Students are assessed on their ability to create a file and process the data to include seven different statistical measures and graphs.	A 75% or higher is expected of all graduates on the graphing and statistics methods portion of the final examination.	The class average was 76%	Met	I will create an Excel tutorial which will highlight the problem areas to assist students in manipulating data in spreadsheets and creating scientifically valid graphs.