Assessment, Improvement, Measurement (AIM) Report: 10/09/2013

Plan Year: 2013-2014
Unit: Biotechnology
Coordinator(s): Deborah Sullivan-Davis, Karman Wheeler
Reviewer: Tammy Liles

Objective or Outcome	Measure(s)		
	Measure Text	**Achievement Target**	**Assess Month**
SLO 2 - PLO # 12 - Students will be able to perform documentation and data analysis, create documents, and communicate results.	Pre- and post-lab reports will be assessed for proper documentation, critical analysis of data, effective use of visuals (graphs, tables, etc), and clear interpretation of results.	90% of students will demonstrate effective documentaiton, data analysis, document creation to visually communicate results, by scoring 80% or better on pre- and post-lab reports. Instructors will use a grading rubric to assess compentency.	April
SLO 3 - PLO #14 - Students will be able to demonstrate proficiency in preparing, maintaining, and storing biological and/or chemical materials.	1. Solution preparation - By measuring conductivity in multiple solution preparations (reproducibility and conductivity evaluations, storage, and label completeness) with less than 30% error. 2. Storage - Rubric for storage and preparation	90% of students will be able to prepare solutions with less than 30% error as measured by soluiton conductivity, and then properly store and label the solutions as per rubric.	April
Students will be able to follow SOPs, protocols, and procedures.	Student laboratory notebooks will be assessed for inclusion and completeness of SOPs, protocols, and procedures, using established rubrics.	90% of students will score at least 80% on components relating to SOPs, protocols, and procedures as assessed by rubrics.	April