

Assessment, Improvement, Measurement (AIM) Report: 12/15/2014**Plan Year:** 2013-2014**Unit:** Civil Engineering**Coordinator(s):** Karman Wheeler, Jeffery Durham**Reviewer:** William Franklin

Objective or Outcome	Measure(s)					
	Measure Text	Achievement Target	Results	Achievement Target Result	Use of Findings/Next Steps	Assess Month
CET/SLO 1 - Students will be able to interpret land surveying data.	Collection of data in the field evaluated for creation of drawing within industry accepted error. The error is variable depending on the class of survey.	70% of the graduates will be able to create a drawing meeting industry specs as it they relate to acceptable error based on the industry's standardized classification survey.	All six students scored over 70% on creating drawings meeting industry standards.	Met	This outcome has been assessed in two assessment cycles. Based on students' success, a new outcome will be identified for 2014-2015.	December
CET/SLO 3 - Students will demonstrate knowledge of drainage areas.	Practical project exercise (final project in 2nd year class).	All students will demonstrate 75% accuracy on their final project exercise.	The course this outcome was going to be assessed in was cancelled. It was not assessed this year and will be rolled over for assessment in 2014-2015.	Not Assessed in this Cycle	Assess in 2014-2015	April
Improve program content to better prepare students for today's workforce.	Explore collaborations with other colleges to offer more surveying and mapping training.	Discuss collaborative opportunities with Big Sandy CTC, UK, or other colleges.	We offered the field surveying class as a summer1 offering this year and received student feedback that it was a success. The students were able to work with the various surveying equipment, which is something we've just been recently able to offer.	Partially Met	This is one of the classes that we believe can lead to collaborative relationships where other schools don't have the equipment or desire to offer the field work component. The goal to collaborate with other related programs like UK, Big Sandy is still ongoing and offering this class is one step.	N/A
	Improve program content by increasing connections to the workforce and faculty expertise.	Increased faculty and program connections to current workforce.	The hiring of a full time faculty in engineering. Utilizing teachers with industry experience both engineering, architecture and construction. The coordination with	Met	Continue building on workforce connections.	N/A

			government and industry professionals. The program and class content is developed and delivered by professionals that are also constantly updating their own skills and knowledge and then bringing that into the classroom.			
Increase enrollment in CADD and Civil Engineering courses.	Improve program website to increase awareness of careers in CADD and Civil Engineering.	Increase overall enrollment in CADD and CET courses by 2% by Spring 2014.	Website now has current links to career/employment info that is easy to access on our webpage. Activities to increase enrollment include improve program, collaborations, new class. We also offer hybrid/online options, co-op options, summer classes, and other ways to provide access to more students. The Skills USA and other programs where we get high school students or others in the community on our campus, exposes our program to more people. as well as technical info about the program. Two of our current Spring 14 CET students won KYDOT 2014 scholarships. These are a pretty big deal for them, since it is actual employment as well as academics.	Partially Met	Improving the website and increasing enrollment are ongoing goals.	N/A
SLO 2 - Design a typical highway through planning surveying and mapping.	Capstone Project in CET 280. The project will include quizzes, participation, discussion, and written plan. A rubric that will be developed by the instructor will incorporate all of the various methods of measurement.	Once the rubric has been established, the acceptable levels for success will be identified by the faculty. Based on the instructors' assessments, student will score 90% or higher.	All six students scored 80% or higher.	Partially Met	One of the primary problems relates to attendance with not enough attention to requirements. At the beginning of the school year, emphasis will be placed on the requirements and the importance of attendance.	April