

**Assessment, Improvement, Measurement (AIM) Report: 10/04/2013****Plan Year:** 2012-2013**Unit:** CADD/Civil Engineering**Coordinator(s):** Karman Wheeler, William Franklin, Jeffery Durham**Reviewer:** William Franklin

Objective or Outcome	Measure(s)				
	Measure Text	Achievement Target	Results	Achievement Target Result	Use of Findings/Next Steps
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.	CET 150 (10/10); CET 295 (17/19) were successful in creating a drawing that met industry specs (93.1%).	Met	While students were successful, faculty feel the need to incorporate additional software to improve the breadth of their employment opportunities.
CET/SLO 2 - Students will demonstrate knowledge of geography and topography.	Successfully completing 60% of the related questions on the final evaluation related to geography and topography.	All students will successfully complete 60% of the geography and topography related questions on their final evaluation.	CET 150 (10/10); CET 295 (19/19) = 100% of the students demonstrated knowledge of geography and topography.	Met	In addition to raising the level of achievement to 70%, faculty will incorporate additional industry standard technologies in the classroom training and assessments.
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.			
CAD/SLO 1 - (Program Learning Outcome 7) Students will be able to perform geometric construction.	Five point rubric on module or group of assignments. The students will be provided written instructions and will be evaluated on the ability to follow the instructions and will perform geometric constructions on a group of assignments (modules).	Students will be able to score at least a 3 on their module or group of assignments.	31 out of 36 scored at least a 3 on the five point rubric (86.1%)	Met	This semester we attempted to provide a flexible delivery through the online delivery of CAD 100 and CAD 102. The unsuccessful students were the result of the totally online presentation. We will seek to improve the online delivery method and create a more user friendly presentation.
CAD/SLO 2 - (Program Learning Outcome 23)	Related questions on their final evaluation. Students	Students will successfully complete 60% (3 out of 5) of the questions	31 out of 36 (86.1%) students were able to define and	Met	This semester we attempted to provide a

<p>Students will demonstrate knowledge of geometry.</p>	<p>will be able to define and comprehend geometry based on this component within their final evaluation (exam).</p>	<p>related to this component on their final evaluation.</p>	<p>comprehend geometry based on this component within the final exam</p>		<p>flexible delivery through the online delivery of CAD 100 and CAD 102. The unsuccessful students were the result of the totally online presentation. We will seek to improve the online delivery method and create a more user friendly presentation.</p>
<p>CAD/SLO 3 (Program Learning Outcome 28) - Students will be able to create working drawings.</p>	<p>Drawing completion and evaluation of each drawing within the set of drawings. Students will be able to complete a set of plans that will be able to be used in the field (for construction projects).</p>	<p>75% accuracy of completing the drawings with the evaluation to include evaluation of each drawing within the set of drawings.</p>			