Bluegrass Community and Technical College
2010-2011 Technical Programs - Assessing Student Learning Outcomes: A Snapshot

Construction Technology

2010-11 Student Learning Outcomes

Activity	Date accomplished	Brief Description
1. Identification of Student Learning Outcome - Identify the outcome that you plan to measure.	8/30/2010	Students will be able to construct the individual components necessary to assemble a residential structure.
2. Planning of Assessment - Determine appropriate assessment methodology and criteria for success - benchmarks.	8/30/2010	For 2010-2011 will assess the wall and floor frame by using the Competency Check-Off Sheets to demonstrate proficiency in the various components of each frame (e.g. spacing, nailing, etc). Eighty percent of the students will receive a satisfactory level of performance on the individual components within wall and floor framing.
3. Assessment - Perform assessment	November, 2010	Students were required to demonstrate individual task that relate to constructing a floor frame
4. Review of Results - Gather and summarize data collected. Analyze and document results.	November/ December, 2010	Individual results were comprised with other graded assignments. All students scored at least a 80% on wall and floor framing.
5. Use of Results for Improvement - "Close the Loop"/use the results to make improvements.	December, 2010	Assignments will be looked at on a percentage basis to determine which might need refining. The need for students to pay more attention to the quality of the lumber in lab, targeting the selection of lumber, recognizing the strength patterns and lumber quality requires additional attention and will be the focus of emphasis and assessment in 2011-2012.

Activity	Date accomplished	Brief Description
1. Identification of Student Learning Outcome - Identify the outcome that you plan to measure.	8/30/2010	Students will be able to demonstrate an understanding safe practices as they relate to OSHA regulations for the construction technology industry.
2. Planning of Assessment - Determine appropriate assessment methodology and criteria for success - benchmarks.	8/30/2010	Eighty percent of graduates will receive OSHA 10 card certification.
3. Assessment - Perform assessment	November, 2010	Safety course continues in to the next semester.
4. Review of Results - Gather and summarize data collected. Analyze and document results.	November/ December, 2010	90% received OSHA 10 certification. Also received input from employers about students' awareness of OSHA regulations. Based on both assessments, one of the weaker areas related to scaffold safety regulations.

5. Use of Results for Improvement - "Close the Loop"/use the results to make improvements.	December, 2010	Additional emphasis in the classroom on scaffold safety with re-evaluation of scaffold safety in 2011-2012.
Activity	**Date accomplished**	**Brief Description**
1. Identification of Student Learning Outcome - Identify the outcome that you plan to measure.	8/30/2010	Students will demonstrate critical thinking and problem solving skills within construction technology.
2. Planning of Assessment - Determine appropriate assessment methodology and criteria for success - benchmarks.	8/30/2010	Students will apply knowledge and problem solving skills in developing a roof plan. The drawing of the roof plan will include measures with roof pitches that allows an offside position. A 5 point rubric will be used to evaluate the roof drawing with 80% of the students receiving a 3 or higher on the rubric.
3. Assessment - Perform assessment	November, 2011	All students were required to complete final lab assignments
4. Review of Results - Gather and summarize data collected. Analyze and document results.	November/ December, 2011	Student final lab grade was reviewed ,studied and recorded with over 80% of the students receiving a 3 or higher on the rubric.
5. Use of Results for Improvement - "Close the Loop"/use the results to make improvements.	December, 2011	Lesson plans were updated to include more lab time for some tasks/outcomes and less for others. This outcome will be reassessed in 2011-2012 and the target level increased to 85%.