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

Fire Science

2010-11 Student Learning Outcomes

Activity	Date accomplished	Brief Description
1. Identification of Student Learning Outcome - Identify the outcome that you plan to measure.	9/1/2010	Graduates will be proficient at entry level EMS skills for treating trauma patients.
2. Planning of Assessment - Determine appropriate assessment methodology and criteria for success - benchmarks.	9/1/2010	Checklist contains 5-6 critical skills (must be proficient to pass) that must be mastered and non-critical skills.
3. Assessment - Perform assessment	December, 2010	95% of the students will receive a score of 70% or higher on the skills proficiency exam (trauma patient component).
4. Review of Results - Gather and summarize data collected. Analyze and document results.	December, 2010	100% of the students scored 70% or higher on the trauma patient component of the skills assessment.
5. Use of Results for Improvement - "Close the Loop"/use the results to make improvements.	January, 2011	No corrective action is necessary for trauma patient skills. Graduates also need to be proficient in use of AED as part of entry level EMS skills. This outcome will be assessed in 2011-2012.

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1. Identification of Student Learning Outcome - Identify the outcome that you plan to measure.	9/1/2010	Graduates will use critical thinking skills to analyze different stages of fire and fire development, including the recognition of unsafe practices as they pertain to various foreground issues.
2. Planning of Assessment - Determine appropriate assessment methodology and criteria for success - benchmarks.	9/1/2010	Using a proficiency skills assessment, 95% of the first-time takes will be proficient in this component of the skills assessment.
3. Assessment - Perform assessment	April, 2011	95% of first-time takers will pass this component of the skills assessment.
4. Review of Results - Gather and summarize data collected. Analyze and document results.	April, 2011	Over 95% obtained acceptable skill scores.
5. Use of Results for Improvement - "Close the Loop"/use the results to make improvements.	May, 2011	Skill scores are acceptable but students struggle with this portion of the written exams (final and IFSAC). In 2011-2012 - During review sessions, a more comprehensive focus on fire stages/fire develop and fireground issues will be emphasized, striving to improve the students comprehension and knowledge of fire.

Activity	Date accomplished	Brief Description
1. Identification of Student Learning Outcome - Identify the outcome that you plan to measure.	9/1/2010	Students will demonstrate preparedness in analyzing and taking appropriate action in a "fire situation".
2. Planning of Assessment - Determine appropriate assessment methodology and criteria for success - benchmarks.	9/1/2010	Fire Situation will be given as part of the IFSAC exam with an assessment of critical skills (that must be demonstrated) and non-critical skills.
3. Assessment - Perform assessment	April, 2011	IFSAC skill assessment evaluation with 100% passing the critical skills component of the Fire Situation and receiving at least 70% on the non-critical components.
4. Review of Results - Gather and summarize data collected. Analyze and document results.	April, 2011	Students will be taking in early summer. IFSAC is an optional exam and none of the students took the exam this summer.
5. Use of Results for Improvement - "Close the Loop"/use the results to make improvements.	May, 2011	Since IFSAC is an optional exam, this component of the final exam (specifically auto extrication) and the skill set evaluation by the instructor will be used in 2011-2012.