

Students Learning Outcome and Assessment Plan

Course title: Firefighter I Accredited Academy

Department/program: Fire Technology

Date: August 17, 2008

Participating Faculty: CFTDA

Identified Student Learning Outcomes:

Upon successful completion of this course, the student will be able to:

1. Students will define fire department organization and culture, and the expectations of entry-level fire department personnel.
2. Student will demonstrate knowledge of fire department equipment through the selection and application of equipment for given firefighting tasks.
3. Student will analyze and assess firefighter hazards inherent to the profession.
4. Student will demonstrate the ability to communicate effectively through multiple methods of communication including: written, electronic, face to face, and radio transmitted messages.
5. Student will demonstrate their knowledge of strategies, tactics and incident command through the selection and implementation of firefighting methods, and the application of the Emergency Command System.
6. Student will demonstrate safe practices by using minimum standard safety procedures.

Types of Assessment to be used:

SLO #1	Assessment Instrument(s)	Assessment Example	SLO Attainment Criteria-
Students will define and demonstrate knowledge of fire department organization and culture, and the expectations of entry-level fire department personnel.	Written quizzes that address fire department culture and employee expectations. Physical training performance measured against standard physical testing criteria. Final exam to measure the student's comprehensive knowledge of all Fire Academy subjects.	Select one instrument to "assess" the student learning outcome. For example: physical ability. Students will be issued a physical abilities assignment to complete a physical abilities test.	Success is achieved if 90% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.

SLO #2	Assessment Instrument(s)	Assessment Example	SLO Attainment Criteria-
<p>Student will demonstrate knowledge of fire department equipment through the selection and application of equipment for given firefighting tasks</p>	<p>Manipulative skills tests to measure the student's ability to select and don breathing apparatus, ladders, hose and appliances. Field exercises to measure the student's ability to select and apply appropriate tools for rescue and firefighting operations, salvage and overhaul, and hazardous materials response and decontamination. Written quizzes to assess the student's knowledge and application of equipment. Final exam to measure the student's comprehensive knowledge of all Fire Academy Subjects.</p>	<p>Select a manipulative skill that you wish to assess such as ladders. After the students complete the manipulative exam associated with ladders, assess the results to determine if the student learning outcome was met.</p>	<p>Success is achieved if 90% of students achieve the student learning outcome with a score of 100% for manipulative skills tests and 80% for written work. Learning outcome is not achieved if these criteria or not met.</p>

SLO#3	Assessment Instrument(s)	Assessment Example	Did not meet SLO-
Student will analyze and assess firefighter hazards inherent to the profession.	Written quizzes to measure the student's ability to identify life-threatening situations that involve building construction, environmental hazards, criminal activity, personal injury and injuries to others. Written quizzes for the purpose of assessing the student's knowledge of the Ten Standard FF Orders and the 18 Situations that "Shout Watch Out" and common factors in line of duty deaths. Final exam to measure the student's comprehensive knowledge of all Fire Academy subjects	Select a quiz or quizzes during the instructional period that measure the students' knowledge of firefighter hazards. Assess the results to determine if the student learning outcome was met or not.	Success is achieved if 90% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.
SLO #4	Assessment Instrument(s)	Assessment Example	Did not meet SLO-
Student will demonstrate the ability to communicate effectively through multiple methods of communication including: written, electronic, face to face, and radio transmitted messages.	Self-study written work on firefighting terms, language, acronyms, and operating procedures. Completing fire prevention inspection forms during mock inspections. Written and oral quizzes to assess the student's ability to write, verbalize, and present information on firefighting subjects. Field exercises for the purposes of simulating firefighter conditions and communications via memos, electronic media and radios. Final exam to measure the student's comprehensive knowledge of all Fire Academy Subjects.	Select a written quiz and field exercise to assess during the instructional period for the purposes of assessing the students' ability to communicate. For field exercises, an evaluation instrument will need to be developed to track student performance.	Success is achieved if 90% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.
SLO #5	Assessment Instrument(s)	Assessment Example	Did not meet SLO-
Student will demonstrate their knowledge of strategies, tactics and incident command through the selection and implementation of firefighting methods, and the application of the Incident Command and Emergency Management Systems.	Self-study workbook to measure the students' ability to read, comprehend and apply knowledge of the Incident Command and Emergency Management Systems. Written exercises to assess the students' comprehension of firefighting standard operating procedures, tactics, strategies and regulatory standards. Field exercises to measure the student's knowledge of fighting methods. Written quizzes to assess the student's knowledge of firefighting terminology. Final exam to measure the student's comprehensive knowledge of all Fire Academy Subjects.	Analyze the student's self-study work and select a quiz to analyze if the student learning outcome is being met. Criteria may include spelling, grammar, content, organization and legibility.	Success is achieved if 90% of students achieve the student learning outcome with a score of 80% or higher during the assigned assessment activity. Learning outcome is not achieved if these criteria are not met.
SLO # 6	Assessment Instrument(s)	Assessment Example	Did not meet SLO-
7. Student will demonstrate safe practices by using minimum standard safety procedures.	Student will be evaluated during manipulative exams against standard safety practices and operating procedures to measure the student's comprehension and utilization of safe practices.	Select a manipulative skill that represents multiple firefighter hazards. Measure the students' performance to safely and correctly utilize this skill.	Success is achieved if 90% of students achieve the student learning outcome with a score of 100% for manipulative skills tests and 80% for written and classroom

