

# Annual Report for Assessment of Outcomes

Fire Protection Technology

Ed Lindsey, SAC Chair

6/20/2011

**To complete this Assessment Report**, please address the questions below, and send to [learningassessment@pcc.edu](mailto:learningassessment@pcc.edu) **by June 20, 2011**; subject line: REPORT Assessment [SAC]

1. Describe changes that have been implemented towards improving students' attainment of outcomes that resulted from outcome assessments carried out in the previous academic year.

*(Information provided here may be referenced, inserted into or summarized in Program Review 2.C.iii (for Core Outcomes) or 6.B.iii (for CTE Degree and Certificate outcomes).*

### **Critical Thinking and Problem Solving**

*Identify and investigate problems, evaluate information and its sources, and use appropriate methods of reasoning to develop creative and practical solutions to personal, professional and community issues.*

The FPT curriculum is based on critical thinking and problem solving so all of the courses are designed to give students the base knowledge of what can be done to prevent, control and mitigate an incident. FPT courses require the student to apply that knowledge in different emergency situations.

No Changes were made to FPT course content, materials or pedagogy based on review of critical thinking and problem solving outcomes assessment.

2. Identify the outcomes assessed this year, and describe the methods used.  
What were the results of the assessment (i.e., what did you learn about how well students are meeting the outcomes)?

**Outcome Assessed:** Operate safely and effectively on an emergency scene

**Method Used:** Task Performance Skills Demonstration.

**Number of Students:** Two classes of 24 students; total 48.

**Results:** The FP 111 and FP 112 classes that were delivered Fall 2010 and Winter 2011 were assessed for task performance skills demonstration of Operating safely and effectively on an emergency scene. FP 111 class started with a total of 38 students. By the end of Winter Term 2011, the remaining number of students was 35. This resulted in a 92% passing rate which is consistent with industry standards. There is an expectation that not all new recruits will adapt to the physical and mental rigors and level of expectation required to successfully complete fire fighter training. It should be noted that 100% of students completing the AAS in Fire Protection Technology have completed both FP 111 and FP 112 or the equivalent.

**Outcome Assessed:** Perform prevention, preparedness, and maintenance activities related to reducing the loss of life and property due to fire through hazard identification, inspection, and response readiness.

**Method Used:** Task Performance Skills Demonstration.

**Number of Students:** Two classes of 24 students; total 48.

**Results:** The FP 111 and FP 112 classes that were delivered Fall 2010 and Winter 2011 were assessed for task performance skills demonstration in the area of performing prevention, preparedness, and maintenance activities related to reducing the loss of life and property due to fire through hazard identification, inspection, and response readiness.. FP 111 class started with a total of 38 students. By the end of Winter Term 2011, the remaining number of students was 35. This resulted in a 92% passing rate which is consistent with industry standards. There is an expectation that not all new recruits will adapt to the physical and mental rigors and level of expectation required to successfully complete fire fighter training. It should be noted that 100% of students completing the AAS in Fire Protection Technology have completed both FP 111 and FP 112 or the equivalent.

**Outcome Assessed:** Recognize the presence of the hazardous materials/WMD, protect themselves, call for trained personnel, and secure the scene. (Awareness)

**Method Used:** FP 123 will use the Oregon State Department of Public Safety Standards Training (DPSST) task book for Hazardous Materials Awareness

**Number of Students:** One class of 24 students.

**Results:** This assessment was delayed due to updating of the NFPA standard and CCOG revisions that will be required to accommodate implementation of the task book.

**Outcome Assessed:** Respond to hazardous materials/WMD incidents for the purpose of protecting nearby persons, the environment, and property from the effects of the release. (Operations)

**Method Used:** FP 123 will use the Oregon State Department of Public Safety Standards Training (DPSST) task book for Hazardous Materials Operations

**Number of Students:** One class of 24 students.

**Results:** This assessment was delayed due to updating of the NFPA standard and CCOG revisions that will be required to accommodate implementation of the task book.

**Outcome Assessed:** Act in accordance with the ethical and professional medical standards of the entry level EMT Basic

<b>Method Used:</b>	In EMS 105 and 106: practical and cognitive final; professional behavior infraction count (3 infractions maximum)
<b>Number of Students:</b>	One class of 24 students.
<b>Results:</b>	No infractions reported by faculty.
<b>Outcome Assessed:</b>	Meet the academic eligibility requirements for taking both cognitive and practical State and National Certification examinations at the EMT Basic level
<b>Method Used:</b>	In EMS 105 and 106: practical and cognitive final.
<b>Number of Students:</b>	One class of 24 students.
<b>Results:</b>	Five year study by EMS Department establishes an 89% passing rate for all EMS students. This result includes all FP students.
<b>Outcome Assessed:</b>	Demonstrate the professional and technical skill set necessary to meet the EMT Basic standard of care in a safe manner under diverse conditions.
<b>Method Used:</b>	In EMS 105 and 106: practical and cognitive final.
<b>Number of Students:</b>	One class of 24 students.
<b>Results:</b>	Five year study by EMS Department establishes an 89% passing rate for all EMS students. This result includes all FP students.

3. Identify any changes that should, as a result of this assessment, be implemented towards improving students' attainment of outcomes.

Overall the program outcomes are being assessed in two of the three outcome assessment area's; fire fighter training and EMS training. Hazardous materials training will have to be assessed in 2011-2012 once task books are adopted and CCOG's are changed to meet current NFPA requirements.

Students are successfully completing both Fire and EMS training in the 90% range. These are satisfactory results. In 2011-2012, completion of each individual task book should be part of the outcomes assessment process to ensure complete reliability of the assessment process.

SAC efforts will be to determine if the first round of assessments are of value to the program or if modification is needed. Also, the SAC will look at the adoption of the Hazardous Materials task book for the Fall Term class and determine if a change to the FP 123 CCOG is required.