**Continuous Improvement Plan**

**Outcomes might not change from year to year. For example, if you have not met previous targets, you may wish to retain the same outcomes. *If this is an academic, workforce, or continuing education program, you must have at least one student learning outcome.* You may also add short-term administrative, technological, assessment, resource or professional development goals, as needed.**

**Date:** 2019-2020 **Name of Program/Unit: Fire Academy**

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**Table 1: CIP Outcomes, Measures & Targets Table (focus on at least one for the next two years)**

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| **A. Expected Outcome(s)**  Results expected in this unit  (e.g. Authorization requests will be completed more quickly; Increase client satisfaction with our services) | **B. Measure(s)**  Instrument(s)/process(es) used to measure results  (e.g. survey results, exam questions, etc.) | **C. Target(s)**  Level of success expected  (e.g. 80% approval rating, 10 day faster request turn-around time, etc.) |
| Protect evidence of fire cause and origin, given a flashlight and overhaul tools, so that the evidence is noted and protected from further disturbance until investigators can arrive on the scene. | Texas Commission on Fire Protection | Score 70% or better |
| Identify precautions necessary when providing emergency medical care to victims of hazardous materials/WMD incidents. | Texas Commission on Fire Protection | Score 70% or better |
| Given examples of hazardous materials/WMD and identity of each hazardous material/WMD (name, UN/NA identification number, or type of placard), identify the following response information: *Personal Protective Equipment necessary.* | Texas Commission on Fire Protection | Score 70% or better |
| Given scenarios involving hazardous materials/WMD incidents, the operations level responder shall collect information about the incident to identify the containers, the materials involved, the surrounding conditions, and whether hazardous materials/WMD have been released, | Texas Commission on Fire Protection | Score 70% or better |

**Description of Fields in the Following CIP Tables:**

**A. Outcome(s)** -Results expected in this program (e.g. Students will learn how to compare/contrast conflict and structural functional theories; increase student retention in Nursing Program).

**B. Measure(s)** -Instrument(s)/process(es) used to measure results

(e.g. results of surveys, test item questions 6 & 7 from final exam, end of term retention rates, etc.)

**C. Target(s)** -Degree of success expected (e.g. 80% approval rating, 25 graduates per year, increase retention by 2% etc.).

**D. Action Plan** -Based on analysis, identify actions to be taken to accomplish outcome. What will you do?

**E. Results Summary** - Summarize the information and data collected in year 1.

**F. Findings** - Explain how the information and data has impacted the expected outcome and program success.

**G. Implementation of Findings** – Describe how you have used or will use your findings and analysis of the data to make improvements.

**Table 2. CIP Outcomes 1 & 2 (FOCUS ON AT LEAST 1)**

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| 1. **Outcome #1**   Protect evidence of fire cause and origin, given a flashlight and overhaul tools, so that the evidence is noted and protected from further disturbance until investigators can arrive on the scene. | |
| 1. **Measure (Outcome #1)**   Texas Commission on Fire Protection state certification exam | 1. **Target (Outcome #1)**   Score 70% or better |
| 1. **Action Plan (Outcome #1)**   Develop and post additional review fire scene preservation questions on Blackboard (Canvas) course link. | |
| 1. **Results Summary (Outcome #1)**   2017-18:  Class #69 – 65.91%  Class #70 – 75.24  Class #71 – 76.92  2018-19:  Class #72 – 64.88%  Class #73 – 85.31  Class #74 – 86.43  Overall – 75.78% | |
| 1. **Findings (Outcome #1)**   The data indicates that the target of 70% or better was met. | |
| 1. **Implementation of Findings**   While the findings show that the minimum target was met, we will continue to include additional study questions for student in Canvas in an effort to increase the success rate for this subject area within the curriculum. | |

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| 1. **Outcome #2**   Identify precautions necessary when providing emergency medical care to victims of hazardous materials/WMD incidents. | |
| 1. **Measure (Outcome #2)**   Texas Commission on Fire Protection state certification exam | 1. **Target (Outcome #2)**   Score 70% or better |
| 1. **Action Plan (Outcome #2)**   Develop and post additional review questions in Canvas related to the identification of precautions when providing emergency medical care to victim at hazardous materials/WMD incidents. | |
| 1. **Results Summary (Outcome #2)**   2018-19:  Class #72 – N/A  Class #73 – 8%  Class #74 – 33.33  Overall – 20% | |
| 1. **Findings (Outcome #2)**   The data indicates that the target of 70% or better was not met. | |
| 1. **Implementation of Findings**   We will use the findings to initiate the development of review questions on this topic to be posted in Canvas for student review. | |

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| 1. **Outcome #3**   Given examples of hazardous materials/WMD and the identity of each hazardous material/WMD (name, UN/NA identification number, or type of placard), identify the personal protective equipment necessary emergency responders. | |
| 1. **Measure (Outcome #3)**   Texas Commission on Fire Protection | 1. **Target (Outcome #3)**   Score 70% or better |
| 1. **Action Plan (Outcome #3)**   Develop and post additional review questions in Canvas related to the identification of personal protective equipment necessary for emergency responders. | |
| 1. **Results Summary (Outcome #3)**   2018-19:  Class #72 – 50%  Class #73 – 48%  Class #74 – N/A  Overall – 49% | |
| 1. **Findings (Outcome #3)**   The data indicates that the target of 70% or better was not met. | |
| 1. **Implementation of Findings**   We will use the findings to initiate the development of review questions on this topic to be posted in Canvas for student review. | |

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| 1. **Outcome #4**   The hazardous materials responder functioning at the Operations level shall identify various tank cars by type. | |
| 1. **Measure (Outcome #4)**   Texas Commission on Fire Protection | 1. **Target (Outcome #4)**   Score 70% or better |
| 1. **Action Plan (Outcome #4)**   Develop and post additional review questions in Canvas related to the identification of tank cars used to carry hazardous materials. | |
| 1. **Results Summary (Outcome #4)**   2018-19:  Class #72 – 38.46%  Class #73 – 46.15%  Class #74 – N/A  Overall – 42.30% | |
| 1. **Findings (Outcome #4)**   The data indicates that the target of 70% or better was not met. | |
| 1. **Implementation of Findings**   We will use the findings to initiate the development of review questions on this topic to be posted in Canvas for student review. | |