**Student Learning Outcomes (SLOs) for Instruction Programs PHASE I** (section I)

**Program Outcomes Assessment Report**

**“Program/Degree/Certificate Description or Mission Statement & Identification of Outcome(s)”**

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| **Date:** | **December 31, 2011** |  |  |
| **Name of Degree, Certificate, Program:** | **Fire Fighter I Certificate, Program** |  |  |

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| **Contact Person & Others Involved in Process:** | **Lead: Alfredo Estrada Others: Robert Malek and Tina Aguirre** |

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| **This certificate provides the educational requirements for a California State Fire Marshall Firefighter I Certificate. Upon completion of the program the candidate is required to be affiliated with a fire agency for one year of part-time/volunteer or 6 months of full-time work experience to meet all the requirements for the SFM Firefighter I Certificate** |

**Mission Statement or Description of the Program, Degree or Certificate:**

**Institutional Learning Outcomes Supported: Please check the ISLOs that are supported by your program:**

\_\_X\_\_**ISLO1** = communication skills; \_\_X\_\_I**SLO2** = critical thinking skills; \_\_X\_\_**ISLO3** = personal responsibility;

\_\_X\_\_I**SLO4** = information literacy; \_\_X\_\_I**SLO5** = global awareness

**Program-level Outcomes and Ways to Assess:** (Please choose 1-3)

**Degree or Certificate Grid needs to also be submitted on final page –** see SLO Coordinator for assistance

**Has SLO Grid been completed? Yes X No Is it Attached? Yes X No**

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| **Completing the Firefighter I Certificate/Program Grid demonstrated that courses are designed to focus on communication skills, critical thinking skills and personal responsibility followed by information literacy, and global awareness. This is the first time the Grid has been completed for the Firefighter I Program so we are unable to compare the Grid to prior years.** |

**Please write a couple of sentences describing what information the completed Grid provides. You may want to comment on ISLOs which are being covered well or not covered at all, changes to be made to outcomes or assessments, or, if possible, you may want to compare Grid to previous years.**

**Please include the outcomes that have been designed for your courses.**

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| **Course #** | **Outcomes** |
| FIRE 105 | 1. Demonstrates the application of a traction splint in proper sequence and using standard precautions. (ILO 2, ILO 3) 2. Demonstrate the ability to use critical thinking skills to assess and treat patients in emergency settings. (ILO1, ILO2, ILO5) 3. Demonstrate the use of federal and state laws in relation to on scene emergencies. (ILO1) 4. Write a narrative report from data supplied in various forms including written input, verbal input, and visual observations. The report will be legible, will have correct spelling and punctuation, and will demonstrate the proper use of grammar.(ILO1) 5. Complete an assessment of a medical patient, in an oral station, in proper sequence and with proper care, using a National standard check off sheet.(ILO 1, ILO 2) 6. Complete a patient assessment on a trauma Pt in proper sequence and using standard precautions. This is a Verbal and Hands on skill.(ILO 2, ILO 3, ILO 4) 7. Demonstrate an ability to recommend appropriate diagnostic and therapeutic procedures. (ILO2) |
| FIRE 109 | 1. Demonstrate knowledge and appropriate responses for given incidents involving hazardous materials at the First Responder Operational level. (ILO2) 2. Articulate the importance of haz mat pre-planning and procedures (ILO1, ILO2) 3. Recognize physical state of substances and their potential hazards of reactivity as they relate to health and safety of the firefighter and the incident scene.(ILO2, ILO3) |
| FIRE 117 | 1. Analyze an emergency situation, develop and implement a plan to extricate occupants.(ILO2) |
| FIRE 121 | 1. Describe principles, components, positional responsibilities, and management of incident resources. (ILO2) 2. Demonstrate proficiency in emergency incident management. (ILO2) 3. Demonstrate the application of operational strategies. (ILO4) |
| FIRE 122 | 1. Identify a confined space and be familiar with various regulations, safety procedures, equipment, techniques and personnel necessary to operate at a confined space emergency.(ILO2, ILO3, ILO4, ILO5) |
| FIRE 130 | 1. Define and demonstrate knowledge of fire department organization and culture, and the expectations of entry-level fire department personnel.(ILO1, 2) 2. Demonstrate knowledge of fire department equipment through the selection and application of equipment for given firefighting tasks. (ILO1, ILO2) 3. Analyze and assess firefighter hazards inherent to the profession. (ILO1, ILO3) 4. Demonstrate the ability to communicate effectively through multiple methods of communication including: written, electronic, face to face, and radio transmitted messages. (ILO1, ILO2, ILO3, ILO4) 5. 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. (ILO1, ILO2, ILO3, ILO4) 6. Demonstrate safe practices by using minimum standard safety procedures compliant with industry standards. (ILO1, ILO2, ILO3, ILO4) |
| FIRE 131 | 1. Demonstrate their knowledge of strategies, tactics, and incident command. (ILO2, ILO4) 2. Demonstrate safe practices by using minimum standard safety procedures. (ILO2, ILO3) 3. Demonstrate proficiency in selection and implementation of firefighting methods and application of the Incident Command and Emergency Management Systems. (ILO2) 4. Demonstrate proficiency in ladder manipulation and skills. (ILO2) 5. Apply firefighting operational knowledge during live fire operations. (ILO1), (ILO2) 6. Apply knowledge in fire behavior extinguishment tactics. (ILO2) |
| PE 100 | 1. Identify correct strength training principles and design a personal strength training program. (ILO2) 2. Identify correct cardiovascular principles and design a personal cardiovascular program. (ILO2) |
| PE 104 | 1. Create and implement a comprehensive personal strength training program. (ILO1, ILO2, ILO3) 2. Demonstrate knowledge of strength development and appropriate weight training principles. (ILO1, ILO2, ILO3, ILO4) |

**Please identify at least one outcome and assessment method, and estimated date for the completion of Section II. Please keep in mind the Comprehensive Program Review Schedule.**

**Instructional Programs (degrees, certificates):** You are asked to complete Course-level Outcomes & Assessments for the two and half years leading up to your Program Review due date, and then Program-level Outcomes can be assessed during your Program Review Fall Semester.Still, even if your Program Review isn’t due this fall, you will want to make a plan to evaluate it with colleagues by your Program Review due date.

**1.Outcome #1**: Students will demonstrate knowledge and appropriate use of fire equipment for a given firefighting scenario

Est. Completion Date: At the end of FIRE 130 (fall) completion Way(s) to assess: Course final and OSFM testing for fire academy basics.

**2.Outcome #2:** Students will demonstrate appropriate selection and implementation of firefighting methods and application of the Incident Command and Emergency Management Systems.

Est. Completion Date: At the end of FIRE 131 (spring) completion Way(s) to assess: Course final and OSFM testing for fire academy basics.

**Once Section I is completed, please send e-copy & mail hard copy to SLO Coordinator. Then at the end of the data collection/assessment period, please analyze data with co-workers and other members of the IVC community, and complete Section II.**

**Student Learning Outcomes for Instruction – PHASE II** (section II)

**Program Outcomes Assessment Report**

**“Assessment of Program-level Learning Outcomes”**

In this section, please re-state each outcome and indicate the method(s) of assessment, provide a summary of the results, and tell how your program will use this information to improve student learning. Each Goal should have at least one Method of Assessment. To encourage collaboration and the sharing of ideas, you are encouraged to share your outcomes, assessment data, and findings with all available members of your department or program. Please list the names of all faculty, staff, and students who were involved in summarizing or evaluating the data. The names may differ from those on Section I.

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| **Date:** |  |  |  |

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| **Contact Person/Others Involved in Process:** | **Lead: Alfredo Estrada Others: Robert Malek and Tina Aguirre** |

**Outcome #1 (please repeat here:** Students will demonstrate knowledge and appropriate use of fire equipment for a given firefighting scenario

Est. Completion Date: At the end of FIRE 130 (fall) completion Way(s) to assess: Course final and OSFM testing for fire academy basics.

1. **First Method of Assessment:**
   1. How did you assess Outcome #1?
   2. Provide a summary of results:
   3. How will your program use this information to improve student learning? If curriculum changes will be made (i.e. course outline, course description, course activities), please explain.
   4. What is your Timeline for Program Modifications or Response to Data?

**Outcome # 2 (please repeat here):** Students will demonstrate appropriate selection and implementation of firefighting methods and application of the Incident Command and Emergency Management Systems.

Est. Completion Date: At the end of FIRE 131 (spring) completion Way(s) to assess: Course final and OSFM testing for fire academy basics.

1. **First Method of Assessment**:
   1. How did you assess Outcome # 2?
   2. Provide a summary of results:
   3. How will your program use this information to improve student learning? If curriculum changes will be made (i.e. course outline, course description, course activities), please explain.
   4. What is your Timeline for Program Modifications or Response to Data?

**Program Outcomes and Course Alignment Grid for Imperial Valley College**

Program: **Fire Academy Certificate & Program**  Completed on: Dec 31, 2011

Prepared by : Alfredo Estrada, Robert Malek, Tina Aguirre

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| **Course** | **Communication** | **Critical Thinking** | **Personal Responsibility** | **Information Literacy** | **Global Awareness** | **# of Outcomes identified** |
| FIRE 105 | 3 | 3 | 3 | 3 | 3 | 7 |
| FIRE 109 | 3 | 3 | 3 | 1 | 1 | 3 |
| FIRE 117 | 1 | 3 | 1 | 0 | 0 | 1 |
| FIRE 121 | 2 | 3 | 2 | 3 | 0 | 3 |
| FIRE 122 | 2 | 3 | 3 | 3 | 3 | 1 |
| FIRE 130 | 3 | 3 | 3 | 3 | 1 | 6 |
| FIRE 131 | 3 | 3 | 3 | 3 | 1 | 6 |
| PE 100 | 0 | 3 | 2 | 1 | 0 | 2 |
| PE 104 | 3 | 3 | 3 | 3 | 1 | 2 |

**\*\*FIVE POINT KEY: Using this key, to receive a 3 or 4 the ISLO needs to be measured through the outcome and assessment.**

**4=** This is a STRONG focus of the course. Students are tested on it or must otherwise demonstrate their competence in this area.

**3=** This is a focus of the course that will be assessed.

**2=** This is a focus of the course, but is NOT assessed.

**1=** Thisis briefly introduced in the course, but not assessed.

**0=** This is not an area touched on in the course.