**IMPERIAL VALLEY COLLEGE**

**Student Learning Outcomes (SLO) Assessment Cycle Form**

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| Date: | June 4 2010 |  |  |
| Department Name: | Science Math Engineering |  |  |

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| Course Number/Title or Program Title: | Introduction to Chemistry |

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| Contact Person/Others Involved in Process: | Lead: James Fisher Others: Samuel David, Eduardo Niebla |

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| If course is part of a major(s), and/or certificate program(s), please list all below: | |  |  |  |  | |
| Major(s): | Certificate(s): | | | | |  | |  |  |  |  |
| **AGRICULTURAL BUSINESS MANAGEMENT**  **AGRICULTURAL SCIENCE**  **GENERAL SCIENCE**  **UNIVERSITY STUDIES** |  | | | | |  | |  |  |  |  |

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| Does course satisfy a community college GE requirement(s)? | X | Yes |  | No |  | N/A |

If yes, check which requirement(s) below:

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|  | | American Institutions |  | Language and Rationality – English Composition | | | |
|  | | Health Education |  | Language and Rationality – Communication and Analytical Thinking | | | |
|  | | Physical Education / Activity | X | Natural Science | | | |
|  | | Math Competency |  | Humanities | | | |
|  | | Reading Competency |  | Social and Behavioral Sciences | | | |
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|  | **Student Learning Outcome** | | | | **Assessment Tool**  (e.g., exam, rubric, portfolio) | **Institutional Outcome\***  (e.g., ISLO1, ISLO2) | | |
|  | **Example:** Laboratory techniques, analyze data, and summarize. | | | | Laboratory Skills | ISLO2, ISLO3, ISLO4 | | |
|  | Outcome 1: read lab before class and perform experiment | | | | Laboratory grading rubric | ISLO2 | | |
|  | Outcome 2: working alone to complete experiment | | | | Laboratory grading rubric | ISLO3 | | |
|  | Outcome 3: collect data, perform calculations | | | | Laboratory grading rubric | ISLO4 | | |

**Each SLO should describe the knowledge, skills, and/or abilities students will have after successful**

**completion of course or as a result of participation in activity/program.** A minimum of one SLO is required

per course/program. You may identify more than one SLO, but please note that you will need to collect and

evaluate data for each SLO that you list above. Attach separate pages if needed. *For assistance contact: Toni Pfister* [*toni.pfister@imperial.edu*](mailto:toni.pfister@imperial.edu) *or X6546*

**\*Institutional Student Learning Outcomes: ISLO1** = communication skills; I**SLO2** = critical thinking skills;

**ISLO3** = personal responsibility; I**SLO4** = information literacy; I**SLO5** = global awareness

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| **1. Course Number & Date of Assessment Cycle Completion** | **Course:** Chemistry 100 **Date:** Fall 2009, Winter 2010, and Spring 2010 |
| **2. People involved in summarizing and evaluating data** | 165 |
| **3. Data Results**  Briefly summarize the results of the data you collected. | **Outcome 1, Outcome 2, and Outcome 3:** Students were observed during a lab designated as an SLO lab, and graded according the laboratory grading rubric found in the student lab manual. Students were observed during lab as to how well they worked alone and completed the calculations. Students were graded on their findings and calculations. The average score was 9 out of 10. |
| **4. Course / Program Improvement**  Please describe what change(s) you plan to implement based on the above results | This SLO is different than last year, this is based on a lab, verses a presentation done last year. |
| **5. Next Year** Was the process effective? Will you change the outcome/ assessment for next year? (e.g., alter the SLO, assessment, faculty discussion process, strategy for providing SLO to student)? If so, how? | Lab work in a chemistry class, is an important skill, we’ll keep with using the lab for this SLO. |
| **6. After-Thoughts** Feel free to celebrate, vent, or otherwise discuss the process. | Students need time to get started, get into the grove of the lab. |

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