**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: | Organic Chemistry I |

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| Contact Person/Others Involved in Process: | Lead: James Fisher Others: |

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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:** Identify, create, critique, and refute oral and written arguments. | | | | Debate + Debate rubric | ISLO1, ISLO2 | | |
|  | Outcome 1: perform an experiment | | | | Public speaking rubric | ISLO2 | | |
|  | Outcome 2: creates a presentation on the results of the experiment. | | | | Public speaking 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 204 **Date:** Spring 2010 |
| **2. People involved in summarizing and evaluating data** | 16 |
| **3. Data Results**  Briefly summarize the results of the data you collected. | **Outcome 1, and Outcome 2:** Students were given an unknown containing three samples. Students were observed for 2 days as to how well of a separation scheme the developed, different separation techniques used and how which analytical tools they used. On the third day, students presented their findings. They were graded on their presentation as outlined in the lab rubric. Average score was 17 out of 20. |
| **4. Course / Program Improvement**  Please describe what change(s) you plan to implement based on the above results. | Will have more unknowns, and will give them more information on which samples they are analyzing. |
| **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? | Most students had a difficult time presenting their findings in a coherent fashion. A lot of critiquing on my part was necessary. |
| **6. After-Thoughts** Feel free to celebrate, vent, or otherwise discuss the process. | Good for the students. |

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**The ASSESSMENT CYCLE: Closing the Assessment Loop**

You may elaborate as much as you need to in order to complete this form. Instructions are on the following page.