**SLO Cycle Assessment Form**

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| **1. Course Number &**  **Date form was completed** | Course: 20545 WT - 230 | Date: May 9, 2012 |
| **2. People involved in summarizing & evaluating data (minimum of two)** | Felix De Leon, Ramiro Salas | |
| **3. Semester data were collected (e.g., Spring 2011)** | Spring 2012 | |
| **4. Please list the SLO(s) that was (were) assessed. Write it out.** | 1-Access, interpret data, Using microbiology knowledge and other scientific methods, to address and solve both practical and theoretical problems in the wastewater treatment plant.  2- Display and follow safety procedures in the practical aspects of operating and maintaining Wastewater Treatment Plants. | |
| **5. List all forms of assessments that were used for this cycle assessment (e.g., research paper rubric, skills scenario, multiple choice exam)** | True-False & Multiple Choice exam and skills scenario.  Research Paper  Wastewater Acronyms exercises  Video’s Pertaining to Operations and Safety of treatment plants. | |
| **6. Data results**  Briefly summarize the data. | * 29 % of students scored “excellent” on the research paper related to the operation of wastewater treatment plants.   They demonstrated full understanding in the basic operation  and maintenance aspects of a wastewater treatment plant.   * 50 % of students scored “average” on the research paper related to the operation of wastewater treatment plants. They demonstrated full understanding in the basic operation and maintenance aspect of a wastewater treatment plant. * 21 % of students scored “need improvement” showing lack of   knowledge in the basic operational procedures of a wastewater treatment plant.   * Overall, most students demonstrated to have good skills   performing math calculations needed for successfully passing entry level state certification exams. | |
| **7a. Course/Program Improvements**  **Please describe what change(s) you plan to implement based on the above results**  **7b**. **Will this include a change to the curriculum (i.e., course outline)?**  Yes  No X | I will try to get student more involved during class discussions. This would be done by having more classroom demonstration. This would be possible if materials are available.  At this time, there are no suggested changes to the course.  In the future lab time would help with process control analyses. | |
| **7.** When SLOs were previously written, Institutional Learning Outcomes (ILOs) were identified as part of that process.  **How did the SLO(s) contribute to student acquisition of the Institutional Learning Outcome(s) (ILOs)?**  For example, if ILO #1 (communication skills) was identified as being related to this SLO, then please write a sentence or two supporting the relationship.  **IVC’s 5 ILOs:**  **ILO1 = Communication Skills**  **ILO2 = Critical Thinking Skills**  **ILO3 = Personal Responsibility**  **ILO4 = Information Literacy**  **ILO5 = Global Awareness** |  | |
| **8. Next year**  **Was the process effective? Will you change the outcome/assessment (e.g., alter the SLO, assessment, faculty discussion process, strategy for providing SLO to students)?**  **If so, how?** |  | |
| **9. After Thoughts**  **Feel free to celebrate, vent, or otherwise discuss the process** |  | |

**The SLO Cycle Assessment Form Guidelines**

1. Please list the course number and date that the cycle assessment form was completed.

2. To encourage collaboration and the sharing of ideas, each form must be completed by at least two people. If you are the only one teaching the course, you are encourage to share your data results and improvement methods with at least one other member of the faculty, administration, staff or student population. Please list the names of all who were involved in summarizing or evaluating the data.

3. Include the semester when the data were collected (e.g., Spring 2011).

4. List the SLO(s) that was (were) assessed (e.g., “identify, create, and critique oral argument”).

5. Please summarize the data that you collected. Include how well students scored on the assessment. You might also include: how many instructors submitted data (fulltime, parttime); the types of data that were submitted (rubric scores, practical test results, etc); and, as appropriate, if a cross-section of classes (day, evening, online) were assessed. For example, if a rubric was used, you might discuss the number of students who scored 1, 2, 3, or 4, on the rubric. Your original data results, or your raw data, should be kept within your department for three years.

6a. This is an opportunity to have a rich discussion with others involved in education. Please describe any changes that will be implemented based on the data. Changes might be made to class activities, assignment instructions, evaluations, topics taught in class, or the course outline of record, etc. You might include when the changes will be implemented and, if a comparison is to be made, when the next round of data will be collected (e.g., Fall 2012).

6b. Answer “Yes” or “No” to the curriculum question – if yes, please briefly explain.

7. This recently added section is very important because it allows us to document different ways that students are acquiring the 5 ILOs. We state that “Upon completion of a degree, program, or certificate, a student will complete coursework at Imperial Valley College demonstrating competency in communicating skills, critical thinking skills, personal responsibility, information literacy, and global awareness.” We need to demonstrate that this is occurring. Please refer to the “Strive for Five” form for more of an in-depth description of ILOs.

8. This provides an opportunity to discuss what went well and what could be improved. If the SLO needs to be tweaked or more outcomes/assessments need to be included you might want to do that now while the information is fresh. This may allow faculty to modify SLO(s) for next year and include them on next year’s syllabus.

9. Please share your thoughts, feelings, and ideas on IVC’s SLO process thus far.

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