

## Science Faculty Inquiry Group- Chemistry (Denise Bailey, Jeffrey Wada and Nahla El-Said)

### Spring 2012

We have done assessment on all our courses and collected data on all SLOs for all the courses. The challenge that we face is how to collect program SLO data and how the assessment is going to work for the program.

After several discussions in the department and consultation with **SCC ie&a office**, we have reached the conclusion that program SLO assessment will not be done by Taskstream and must be done on the capstone courses. We identified the capstone course which is the second-semester organic chemistry course (Chem. 259). The students need to be surveyed to determine how many went through our program (at least 3 classes from the major sequence were taken at SCC). We put together a survey that will determine who these students are going to be and how do they feel about achieving the SLO for the program. Data from Chem. 259 assessment will be compiled for those students and will be evaluated for program SLO. We think that we have now a way to start collecting data for program review that we did not have before Science FIG

This survey should provide the needed data to choose the students. Tracking the student progress through the program might prove a bit difficult if we can't access individual student's SLO data from the software. We have included questions to inquire about their grades in the previous courses in the program. Grades are not an indication of successful achievement of the SLO but should be a good measure of what kind of students finish the whole sequence. Most likely those students who achieved A or B in general chemistry, will continue on to organic chemistry.

This survey will be shared with other science disciplines who have the same problem of assessing their program SLOs.

**Chem. 259 student survey for SLO assessment**

**Name** \_\_\_\_\_

1-How many Chemistry courses have you taken at SCC besides this Chem. 259 course?

- a- 1      b- 2      c- 3      d- 4

2- Where did you take Chem. 249 (first semester Organic Chemistry)?

- a- SCC      b- SAC      c- Other colleges (please specify) \_\_\_\_\_

3- What was your final grade in the course?

- A      B      C

4- Where did you take Chem. 229 (second semester General Chemistry)?

- a- SCC      b- SAC      c- Other colleges (please specify) \_\_\_\_\_

5- What was your final grade in the course?

- A      B      C

6- Where did you take Chem. 219 (first semester General Chemistry)?

- a- SCC      b- SAC      c- Other colleges (please specify) \_\_\_\_\_

7- What was your final grade in the course?

- A      B      C

8- What campus would you consider to be your home campus?

- a- SCC      b- SAC      c- Other colleges (please specify) \_\_\_\_\_

9- Chemistry curriculum @ SCC prepared me well to solve problems using concepts of chemistry and chemical reactivity.

- a- Strongly agree    b- Agree      c- Neutral      d-Disagree      e- Strongly disagree

10- Chemistry curriculum @ SCC prepared me well to draw valid conclusions from experimental results and articulate it in a clear manner.

- a- Strongly agree    b- Agree      c- Neutral      d-Disagree      e- Strongly disagree