

**SLO ARCHIVE**

Student Learning Outcomes for HTEC 85B

Clinical Chemistry II Laboratory

Team Members:

Team Leader:

Debbie Wagner (8790) in HTEC

Other members:

1. Doris Spanggord (x8341) BIOL

Additional team members/notes about team:

Margaret Yamada

Additional Notes:

Outcomes:

Outcome 1 Phase I: Statement

Practice proper application of OSHA standards

Outcome 1 Phase II: Assessment Strategy Used:

Assessment Quarter: Spring 2010

Assessors: Margaret Yamada

Assessment Tools:

Sections being assessed: 01

Outcome 1 Phase III: Reflect & Enhance

Number of people involved in Phase III: 2

Changes:**Methods:**

Using a rubric, observe and document students practicing universal precautions in the laboratory. Lab Midterm: Students were assessed in a two part question. It tested the ability of each student to select the order of a biohazard cleanup procedure. The student was observed practicing universal precautions while following the procedure steps that were

selected

Findings and Conclusions:

Students scored an average of 83.3% on this assessment. The students scored 81.3% for part 1 (selecting the order of biohazard cleanup) of this question and 85.4% for the actual performance of the task. This is a mandatory requirement for anyone participating in our MLT laboratory courses, but also for anyone preparing for a career in this field.

Enhancement (Planned Actions)**Part I:**

This chemistry laboratory course will continue to assess students on biohazard safety.

Part II:

No enhancements planned at this time.

Outcome 2 Phase I: Statement

Use troubleshooting skills to identify potential errors in laboratory testing.

Outcome 2 Phase II: Assessment Strategy Used:

Assessment Quarter: Spring 2010

Assessors: Margaret Yamada

Assessment Tools: *No tools assigned.*

Sections being assessed: 01

Outcome 2 Phase III: Reflect & Enhance

Number of people involved in Phase III: 2

Changes:**Methods:**

During a laboratory practical exam, students will be presented with a specific scenario and asked to identify situations that would lead to errors in laboratory testing. On an exam, students were asked to identify and resolve potential errors on two chemistry analyzers. There were multiple errors on each instrument.

Findings and Conclusions:

The mean class score on these two evaluations was 82%. Students scored well on resolving errors once they were identified, but had difficulty on identifying the errors.

Enhancement (Planned Actions)**Part I:**

Planned enhancements include additional practice on this type of exercise before students are expected to perform the identification and resolution on an exam.

Part II:

No additional resources needed to perform this enhancement.

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