

## Student Learning Outcomes for HTEC 83

*Clinical Microbiology Laboratory*

---

### Team Members:

**Team Leader:**

Debbie Wagner (8790) in HTEC

**Other members:**

1. Doris Spanggord (x8341) BIOL

**Additional team members/notes about team:**

Patricia Buchner

**Additional Notes:**

---

### Outcomes:

**Outcome 1 Phase I: Statement**

Practice proper application of OSHA standards

**Outcome 1 Phase II: Assessment Strategy Used:**

Assessment Quarter: Spring 2011

Assessors: Doris Spanggord

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, students enrolled in HTEC 83 Spring 2011 quarter were observed and their performance documented concerning proper application of OSHA standards. There were 5 areas of safety and personal safety accessed

**Findings and Conclusions:**

While 100% of the enrolled students wore their lab coat during the observed laboratory session, only 86% of the students had the lab coat buttoned properly which included the top snap. There was 100% compliance concerning the wearing of gloves, biohazard materials disposal, sharps disposal and disinfecting the laboratory work area with 10% bleach after class work was complete.

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

The score indicates that this SLO has been satisfactorily met, although the instructor will remind students to keep their lab coats buttoned at all times, including that first snap

**Part II:**

N/A

---

**Outcome 2 Phase I: Statement**

Distinguish between normal flora and pathogenic bacteria for selected body sites

**Outcome 2 Phase II: Assessment Strategy Used:**

Assessment Quarter: Winter 2011

Assessors: Patricia Buchner

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:**

Final exam contained 6 questions that required the student to distinguish between normal flora and pathogenic bacteria for selected body sites

**Findings and Conclusions:**

this SLO has been assessed twice, Winter 2010 with the following findings and conclusions: Class mean scores on these 6 questions ranked from 36%-95% with a mean = 65%. Based on the outcome of this SLO, more concentration will be directed towards distinguishing between normal flora and pathogens through the use of case studies. The suggested enhancement of incorporating more case studies into the course was implemented Winter 2011 (course is typically only offered once per academic year), then this SLO was reassessed Winter 2011 with significant improvement: Class mean scores on these 6 questions ranked from 52-100%, with a class mean of 81%. SLO success increased from an average of 65% to 81% by implementing suggested course enhancements from Winter 10. Still improvement is needed and based on the outcome of this SLO, more concentration will be directed towards distinguishing between normal flora and pathogens through the continued use of case studies and homework assignments.

**Enhancement (Planned Actions)**

**Part I:**

Enhancements already in place (see above)

**Part II:**

N/A

---

SLO Created: 04/07/2011 Last Modified: 07/06/2011