

1: Measure Review Title **Lab Practical - CHEM120 SLO#2** Associated objectives (0:1) Status **(Final)**

Description Lab practical includes some written assessment, calculations, and hands-on performance. [\[Preview Formatting\]](#)

Measure Type Code and Description

Source of Evidence: Other Acad Dir. - Academic direct measure of learning - other

Associated Documents Activate Cycle

Established in Cycle: Spring 2012

Active Through

Active Through: Keep Active

Data Entry Complete

Entry Status: Final

approval date / by approval comments Last update

Last Updated By: Ed Beyer on 6/28/2015

Created By

Established By: Jessica Harper on 10/26/2012

Edit button Measure Approval Associated Objectives

Achievement Targets and Findings:

1: PLO 1

Target Performance

▼ **Achievement Target (Final)** [\[Preview Formatting\]](#)

All students will achieve 70% or higher on lab practical exam.

Established in Cycle: Spring 2012

Active Through: Keep Active

Last Updated by Jessica Harper on 10/26/2012

Established by Jessica Harper on 10/26/2012

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Findings

Findings:

2014-2015 ▼ **Assessment Summary / Findings**

Achievement Target: **Not Met**

80.64%, 25 out of 31 students, succeeded. [\[Preview Formatting\]](#)

Established by Jessica Harper on 6/17/2015

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2013-2014 ▼ **Assessment Summary / Findings**

Achievement Target: **Not Met**

65.6% of students scored 70% or higher on the average of two lab practical exams in Fall 2013. This was 21 of 32 students. [\[Preview Formatting\]](#)

Established by Jessica Harper on 6/14/2014

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Spring 2013 ▼ **Assessment Summary / Findings**

Achievement Target: **Not Met**

94% (15/16 students) achieved greater than 70% on the lab skills tests in CHEM 120.

Significant improvement since last assessment. Almost met target. [\[Preview Formatting\]](#)

Last Updated by Jessica Harper on 10/7/2013 **Established by** Jessica Harper on 10/7/2013

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Spring 2012 ▼ Assessment Summary / Findings

Achievement Target: **Not Met**

71% of 24 students achieved 70% or higher on the lab practical for Chemistry 120. [[Preview Formatting](#)]

- **Established** by Jessica Harper on 10/26/2012

Action Plans

Related Action Plan(s)

[Revise Assessment or achievement target Spring 2013](#) 

Description: Current assessment for PLOs includes everyone who takes these classes. When we set the achievement target for "all" students to achieve over 70%, we thought these would be only the students completing the degree program. We should either find a way to assess just the students who complete the degree, or reduce the achievement target since not every person in the course where the PLO is assessed is on track to complete the degree. (Final) [[Preview Formatting](#)]

Implementation Status: Planned

Priority: High

Measure: Final Exam MATH 160 - MATH160 SLO #1 thru #4 | Outcomes: PLO 2

Measure: Lab Practical - CHEM120 SLO#2 | Outcomes: PLO 1

Implementation Description: Dialogue. Look at how other programs deal with this conundrum.

Responsible Party: Faculty in the physical sciences working with SLO committee members

[Overhaul Measures 2014-2015](#) 

Description: Concern was raised by members of the Outcomes Committee that the current assessment measures (using SLO data from one specific class to represent a broader PLO) are not appropriate. SLOs for the classes required for this program are being reviewed and compared to the PLOs to see if it is possible to "map up" results from related SLOs in multiple classes required for this program. (Final) [[Preview Formatting](#)]

Implementation Status: Planned

Priority: High

Relationships:

Measure: CHEM 110 final - CHEM110 SLO#2 | Outcomes: PLO 4

Measure: Final Exam CHEM 120 - CHEM120 SLO#3 and #5 | Outcomes: PLO 3

Measure: Final Exam MATH 160 - MATH160 SLO #1 thru #4 | Outcomes: PLO 2

Measure: Lab Practical - CHEM120 SLO#2 | Outcomes: PLO 1

Implementation Description: Training with members of the Outcomes Committee

Responsible Party: J. Harper