

Program Assessment Report

Program: Chemical Process Technology - Associate in Applied Science

Year: 16/17

Division: Business and technology

Contact:

Delta College



Actions Taken in Response to Last Year's Report

Rationale for Current Assessments

Assessment 1 of 1

Goal / Project

Outcome(s)

Demonstrate an understanding of key unit operations of chemical processing (fluid flow, reactions, distillation, heat exchange) and the underlying energy and mass balance principles.

Standard / Objective

80% of students will achieve a minimum score of 75% in each of the 2 written exams and one lab exam.

Method of assessment

Course Embedded Exam(s)

Comment/Details about the method of assessment

2 written exams covering both conceptual discussions and quantitative calculations of key unit operations of chemical process technology (fluid flow, pumps, reactions, distillation, heat exchange) and the underlying energy and mass balance principles. One laboratory exam on identification of key chemical processing equipment and their functions.

Courses Affected

CPI 210

Time Frame

Fall 2016

Submitted By

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Result

Result

(2) Results met expectation/standard

Data Collection (general or specific stats regarding results)

For written exam1, 92% of students achieved 75% or higher. For written exam 2, 83% achieved scores higher than 75%. For the lab exam, 100% of students achieved scores of higher than 75%.

What We Learned (areas for improvements, strengths, etc.)

In the written exams, about half of the students who did not meet the standard also have some skipped or low

score homeworks. A low HW score may indicate the student is not learning at expectation level.

Use of Data to Improve Student Success

Use HW performance as warning sign and do remedial work with individual students who have skipped or low score HW.

Institutional Student Learning Outcomes

- Apply Knowledge and Skills
- Think Critically
- Communicate Effectively
- Act Responsibly

Comments and Action Plan

Discipline/Program Comments

Advisory Board Comments

Assessment Committee Comments

How many students took these exams?

How many students met the standard out of how many that took it?

Were most of the problems in the 2nd exam as that had the lowest percent of students achieving the standard for that particular exam?

Curriculum Council Comments

Action Plan

Use HW performance as warning sign and do remedial work with individual students who have skipped or low score HW.

Actions Taken in Response to Older Reports