Program Assessment Report
Program: Chemical Process Technology - Associate in Applied Science
Year: 16/17
Division: Business and technology
Contact:

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
Eric Lee

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