

UNIVERSITY OF PUERTO RICO AT HUMACAO
University Development Office/Student Learning Assessment
Chemistry Department/Industrial Chemistry Program
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UPR- Humacao Goals.

Goal A: Enhance student success by means of an excellent general and professional education.

Goal B: Improve quality of life within the service areas of the UPRH through educational programs, services, and community projects that promote socioeconomic development.

Goal E: Revitalize research through a participatory role by constituents that are involved in emerging paradigms based on competitiveness in the natural, administrative, and human sciences in ways that contribute to the advancement of knowledge and to the solution of problems of the eastern region, Puerto Rico, Caribbean, and beyond.

Actions:

1. Design a new assessment instrument (survey).
2. Administer a survey to the faculty and laboratory technicians at the Chemistry Department. Analysis of the results.
3. Design new courses, get the approval and implement the teaching of the courses. January 2019: QUIM 4047 - *Nanociencia y Nanotecnología*, QUIM 4048 - *Garantías de Calidad, Cumplimiento y Manufactura*, QUIM 4049 - *Química Medicinal*, QUIM 4181-*Fitoquímica*. January 2020: QUIM 4182- *Etnobotánica*
4. Approved by the academic senate Cert.SA 2020-2021-009; *Preparación para la Química*
5. Learn and implement the use of Teams, Meet, Zoom, Moodle platforms to implement teaching technology during Covid 19 pandemic situation.
6. Maintain the oral report and written reports in various courses.
7. Continue Research CHEM 4086-4089 and Practice at Industry CHEM 4053 courses.

Industrial Chemistry Program Objectives:

To provide students with a level of competency in Chemistry which will allow them to work in industries, government or private laboratories, academia as well as to continue graduate studies in Chemistry or any of its related areas.

Assessment Results:

1. Evaluation results evidenced academic success in some required and elective courses
2. All of the students prepared their oral presentations using power point in an excellent or moderate manner
3. All of the students completed the written reports in an excellent or moderate manner

Assessment tools:

- Evaluation in the new courses
- Evaluation in the laboratories experiences
- Oral and written reports- Rubrics
- Research presentations, Publications and Students Chapter awards.