Assessment: Program Four Column

2022-23 School of Industrial Technology

Acad Program - Chemical Laboratory Technology Program (AAS)

Program Learning Outcomes	*Assessment Methods*	*Assessment Results*	*Action Taken (Use of Results)*
Laboratory Performance - Perform basic chemical statistical analysis in a chemical lab setting. **Outcome Status:** Active/Ongoing **Assessment Year:** 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023, 2023 - 2024 **Start Date:** 07/01/2017	**Final Exam Grade -** Final exam comprehensive assessment **Criterion:** 80% of student will obtain 70%	**Reporting Period:** 2022 - 2023 EoY **Result Type:** Criterion Not Met 75% of students successfully performed basic chemical statistical analysis before completion of the course. (06/09/2023) **Additional Notes:** 3 out of 4 students who completed the course achieved a 70% or better on the final. The average of Final Grades was 82.895%. **Analysis:** It should be noted 3 out of 4 students who completed the course achieved a 70% or better on the final. The average of Final Grades was 82.895%.	**Action Taken (Use of Results):** Review criteria moving forward for the next year. (06/09/2023)
Laboratory Softskills - Demonstrate basic soft skills related to gaining and maintaining employment such as time management, appropriate work attire, working as a team, and effective communication. **Outcome Status:** Active/Ongoing **Assessment Year:** 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023, 2023 - 2024 **Start Date:** 07/01/2017	**Demonstration -** Laboratory notebooks documenting timeliness, teamwork and lab analyst expectations.	**Reporting Period:** 2022 - 2023 EoY **Result Type:** Criterion Met 93.314% of students demonstrated basic soft skills related to proper employment skills for entry level positions. (06/09/2023) **Analysis:** Acceptable results.	**Action Taken (Use of Results):** Monitoring will continue. (06/09/2023)
Laboratory Safety - Demonstrate a basic knowledge of industrial and environmental safety	**Exam -** Laboratory Safety Assessment	**Reporting Period:** 2022 - 2023 EoY **Result Type:** Criterion Met 91.933% of students were able to demonstrate a knowledge of related safety. (06/09/2023)	**Action Taken (Use of Results):** Monitoring will continue. (06/09/2023)

Program Learning Outcomes	*Assessment Methods*	*Assessment Results*	*Action Taken (Use of Results)*
Outcome Status: Active/Ongoing **Assessment Year:** 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023, 2023 - 2024 **Start Date:** 07/01/2017		**Analysis:** Acceptable results.	
Database Analysis - Display and analyze database information **Outcome Status:** Active/Ongoing **Assessment Year:** 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022, 2022 - 2023, 2023 - 2024 **Start Date:** 07/01/2017	**Demonstration -** Infrared Sample and Intepretation Assessment	**Reporting Period:** 2022 - 2023 EoY **Result Type:** Criterion Met 97.115% of students successfully displayed and analyzed sample information upon successful completion of the course. (06/09/2023) **Analysis:** Acceptable results.	**Action Taken (Use of Results):** Monitoring will continue. (06/09/2023)