ProgramLevelAssessment: Annual Report

College/SchoolSSE

Date (Month/Year.) September2022

Assessment ContactBrent Znosko

In what year was the data upon which this report is based colle**2618** present

In what year was the program's assessment plan most recently reviewed/ted?2022

Is this program accredited by an external program/disciplinary/speciatized diting organization? No

1. StudentLearning Outcomes

Which of the program's student learning outcomes were assessed annual assessment cycle lease list the full, completelearning outcome statements and not just numbers, e.g., Outcomes 1 and 2.)

Year 2 assessment focuses on components of lab courses that are used as a measure of student learning. Th following program student learning outcomes were assessed in this aassessment cycle (Year 2):

- #2-Demonstrate proficiency of basic (general, organic, and analytical, and biochemistry) laboratory techniques and conduct laboratory experiments safely dan assessment plan).
- #3-Collect, interpret, and analyze quantitative data (c and e in assessment plan).
- #4-Communicate scientific results effectively

2. Assessment Methods: Artifacts Student Learning

Which artifactsof student learning were used to determine if students achieved the come (s)? Please lescribe and identify the course(s) in which less artifacts were collected Clarify if any such courses were offered a) on line b) at the Madrid campusor c) at any other off ampus location.

Data collected includes:

Outcome #2 -Score on safety exam in Gen Chem Lab 1&2, scoring rubric for Gen Chem 2 lab Boiling Point Elevation scoring rubric (technique points section) for Ogbab (Lab 7: E1/E2 elimination), score on safety exam in Orgo Lab 1&2, semester score in Analytical 1 Lab, and scoring rubric (results section) for Biochem 1 Lab (unknown amino acid identification using acidbase titrations and TLC)

Outcome #3 -Semeste score in Analytical 1 Lab and scoring rubric (results, discussion, and conclusions sections) for Biochem 1 Lab (unknown amino acid identification using-base titrations and TLC)

Outcome #4 -End of semester presentation in Orgo 1 Lab (rubric) and reprubric for Biochem 1 Lab (unknown

areas of expertise (general chemistry, organic, inorganic, analytical, physical, and biochem). Additional i may result from these discussions.

B. Howspecificallyhave you decided to ustaesefindingsto improve teaching and learning in your programor example, perhaps you've initiated one or more of the following

Changes to the Course content Curriculumor Teaching techniques

Pedagogies Improvementsus xc: ondale(I)-0.9 (u)-6.1E0078>Tjh (u)-Tjh (i)-4 (s)-10.6 (i)-3.9 (t)-6.3 (es)]TJ 0 Tc 0 Tc 0

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