

BUDGET, BUDGET JUSTIFICATION, AND TIMELINE

BUDGET

The award will provide salary support for Dr. Tricia Shepherd as Senior Staff for the summer. Dr. Shepherd will be hired as a temporary employee as Senior Staff III.

dB-SERC Course Transformation Awards

May 1, 2021-August 31, 2022

	Hourly Rate	Number of hours	Requested Salary
Research Assistant \$25/hr x 36 h / wk x 10.3 wks	\$ 25.00	371.52	\$ 9,288.00
Fringe Benefits @ 7.7 X 2 months (May and June)			\$ 357.59
Fringe Benefits @ 7.6% X 2 months (July and Aug)			\$ 352.94

TOTAL BUDGET

\$ 9,998.53

BUDGET JUSTIFICATION

Dr. Shepherd is an award-winning POGIL instructor with experience teaching General Chemistry using mastery-based grading approaching in the small liberal arts college context. Dr. Shepherd will collaborate with the Pitt team, designing the curriculum that best fits the learning objectives for our Pitt students, develop the question banks, assemble the assessments, draft the syllabus statements, assemble student questionnaires in Qualtrix and SALG, and develop the Canvas dashboard to communicate with students their progress toward meeting course mastery. Garrett-Roe will supervise all work and have at least weekly meetings with Shepherd to assess progress and provide guidance.

TIMELINE

The work will be completed over 10 weeks of the summer term.

1 May	Initial Meeting with POGIL team presenting draft Learning Objectives and example questions at all four cognitive levels.
May	Revise Learning Objectives and Draft item banks.
1 June	Present Revised Learning Objectives and Draft Assessments 1 – 2.
June	Implement Assessments 1 – 2 in Canvas. Draft Assessments 3 – 4. Draft student dashboard.
1 July	Present POGIL Instructors Final Assessments 1 – 2, Draft Assessments 3 – 4, Draft Student Dashboard, Draft Student Attitude Surveys.
early July	Present General Chemistry Faculty overall plan.
July	Revise all materials based on feedback.
mid-July	Present final package to POGIL instructors.
Fall 2021	Implement Course Transformation in Gen Chem 1 (Garrett-Roe). Assess student learning and attitudes (focus groups and surveys).
Spring 2022	Assess student follow-on performance in General Chemistry 2.