**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.