

OER Revisions and Ancillary Materials Creation Mini-Grant Application

Affordable Learning Georgia aims to support the sustainability of previous Textbook Transformation Grants implementations through revisions of created open educational resources or the creation of new ancillary materials for existing OER. Mini-grant participants do not need to be the original creators of the resource(s). While we welcome original authors to revise their original materials, the nature of open licenses allows for the revision and remixing of OER materials by anyone as long as the terms of the license are adhered to.

The final deliverable for this category is the revised or newly-created materials as proposed in the application, which will be hosted through GALILEO Open Learning Materials. All revised or newly-created materials will be made available to the public under a Creative Commons Attribution License (CC-BY), unless the original materials were under a more restrictive license such as the inclusion of SA (Share-Alike) or NC (Non-Commercial).

For the purposes of this grant, we define revision as the major improvement of a resource through updates for accuracy, accessibility, clarity, design, and formatting. We define ancillary materials as any materials created to substantially support the instruction of a course using an existing open educational resource(s).

While mini-grants do not normally require the Letter of Support process that larger Textbook Transformation Grants require, multi-institution collaborations on a mini-grant project do require a Letter of Support from each institution. This is to ensure that not only the Project Lead's institution is aware of the grant.

Applicant Name *

Anne Gaquere-Parker

Applicant Position *

Professor of Chemistry

Applicant Institution *

University of West Georgia

Applicant Email Address *

Please use your institutional email address.

agaquere@westga.edu

Other Team Members

Please provide both names and email addresses here.

Farooq Khan, fkhan@westga.edu

Type of Project *

- Revision of pre-existing OER
- Creation of ancillaries for pre-existing OER
- Other:

Course Number(s)

CHEM1151

Course Title(s)

Survey of Chemistry I

Final Semester of the Project *

This is the semester in which the materials created/revised will be completed.

Spring 2021

Summer 2021

Proposed Grant Funding Amount: *

This is the total (in a dollar amount) of funding you are requesting for the mini-grant. There is a maximum of \$4800, with a maximum of \$2000 per team member and \$800 for project expenses.

\$4,800

Currently-Existing Resource(s) to be Revised / Ancillaries Created *

Please provide a title and web address (URL) to each of the currently-existing resources that you are either revising or creating new ancillary materials for below.

Please see this link on the UWG library website

<http://libguides.westga.edu/OER/NoCostCourses>

which leads to the pdf files created for each chapter as a product for the initial grant:

<https://drive.google.com/drive/folders/1dRodM1K3BWmQ6feMLBtpk4AMdvha1gGw>

Project Description *

In at least one paragraph, describe your project's goals and deliverables.

The previously funded project has allowed the team to edit chapters from an open-access textbook, which covers a full year of chemistry content for chemistry majors that did not fully match the learning outcomes of our pre-allied health majors course. Therefore, chapters were rewritten and study guides for each of the 10 chapters have been created. However, students do not report reading the textbook as much as anticipated and when they do, they do not seem to be able to extract the knowledge we, as instructors, expect them to get. The solution to this issue is twofold: 1. We propose to create a reading guide for each chapter so that students will know exactly what information is especially important for their success, 2. A series of reading questions will also be developed. In addition, as we moved away from partnering with a commercial textbook publisher, a test bank is much needed to ensure long term sustainability of the initial project. The PIs will thus create a suitable test bank for this course. This test bank will also be used for extra practice within the learning management system and in class for a more active learning approach starting in fall 2020. In order to provide feedback to problems solved in class and extra practice problems uploaded in the learning management system, the instructor will scan and upload worked-out examples in the learning management system as well as offer audio feedback on the extra practice quizzes. The team hopes that the reading guides, the series of questions for use in class and remotely, and the careful monitoring and feedback provided within the learning management system will ensure a more vigorous and active participation by the students and a better way to guide them towards successfully completing the course.

Timeline and Personnel *

Provide a project timeline with milestones below, keeping in mind your selected Final Semester above. Provide a short description of the roles any additional team members will take on during the activities in your timeline.

Summer 2020: Create test bank, extra practice quizzes and reading guides (Drs. Khan and Gaquere)

Fall 2020: 1. Implement use of reading chapters, test bank and extra practice quizzes. Edit and add as needed throughout the semester. 2. Survey the students about the usefulness of these artefacts. (Dr. Gaquere)

Spring 2021: Evaluate the results of the project and write final report (Drs. Khan and Gaquere)

Budget *

Please enter your project's budget below. Include personnel and projected expenses. The maximum amounts for the award are as follows: \$4,800 maximum award, \$2,000 maximum per team member, \$800 maximum for overall project expenses. Unlike standard-scale and large-scale transformations, the maximum of \$800 is not a required element of the budget, but rather meant primarily for the purchase of specific tools and software which would help with improving resources.

The PI and co-PI will each get \$2,000 as a stipend. A scanner is requested so that the PI who teaches the course every year can scan and upload documents with fully worked-out answers into the learning management system. Although this course meets face-to-face, a microphone and noise-cancelling headset system is also requested so that the instructor can provide audio feedback on the extra practice quizzes to the students within the learning management system. These two items can be ordered through Staples: Fujitsu ScanSnap iX1500 Wireless Portable Document Scanner, \$400 and NXT Technologies™ UC-7500 Professional Wireless Noise Canceling Stereo Headset (NX55443), \$310.

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