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 ALG-funded OER. Individuals or teams who would like to apply for an OER Revisions or Ancillary Materials Creation. Mini-grant 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).

Applicant Name *

Martiana Sega

Applicant Position *

Assistant Professor

Applicant Institution *

East Georgia State College

Applicant Email Address *
Please use your institutional email address.

msega@ega.edu

Other Team Members

Individuals can apply for mini-grants; a team is not required. If you do want to add team members to your grant, please provide the names and email addresses here.

David Chevalier dchevalier@ega.edu

Grant office contact: Sheila Wentz   swentz@ega.edu 478-289-2380
Grant office general email: grants@ega.edu

Type of Project *

○ Revision of pre-existing OER

◉ Creation of ancillaries for pre-existing OER

○ Other: _____

Final Semester of the Project *

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

○ Spring 2018

○ Summer 2018

◉ Fall 2018

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.

$4,000

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

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

Chapter 5: The plasma membrane

https://cnx.org/contents/GFy_h8cu@10.117:oaLwOnAf@2/Introduction

Chapter 6: Metabolism

https://cnx.org/contents/GFy_h8cu@10.117:d9FA8FWC@2/Introduction

Chapter 7: Cellular Respiration

https://cnx.org/contents/GFy_h8cu@10.117:5c-ZscNX@4/Introduction

Other chapters will be added as we collect the data from our first ALG grant.

Project Description *

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

The preliminary analysis of the results of our ALG grant indicates that the assessments of the knowledge of the students who enrolled in a class that requires buying a textbook from a publisher and the students who enrolled in a class that uses the free openstax textbook are similar. Using the free openstax textbook seems to have no effect on student achievement. This is still positive results since it allows students to save money by not purchasing a textbook.

We noticed that some of the additional materials used to teach the BIOL 1107 class do not reflect the contents of the lectures. For examples, open source videos never fully reflect the contents of the lecture. In addition, the materials used do not allow for student engagement.

The goal of this mini-grant is to create new ancillary materials for the BIOL 1107 class that will reflect the content of the lectures and engage the students. We decided to select three chapters: Chapter 5 - Plasma Membrane, Chapter 6 - Metabolism, and Chapter 7 - Cellular Respiration. These chapters were selected based on the preliminary analysis of the results of our ALG grant. These are chapters students previously tested poorly on while using a purchased textbook or the free openstax textbook. After the final analysis of the results of the ALG grant we will revisit the list of the chapters and include additional one if needed.

The deliverables of this mini-grant will be:
- reading and videos guides & quizzes to engage the students while and after watching the videos
- summary tables to be completed by students to engage and prepare them for the class.
- new videos to reflect the content of the lectures that will be used as additional guidance of understanding for the students

All the deliverables will be made available through the ALG website.

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.

Spring 2018 – develop objectives to be reached using these guides -> Dr. Sega & Chevalier

Summer 2018 – we will make the reading guides & quizzes -> made by M. Sega

Fall 2018 – we will make the videos guides & quizzes -> made by D. Chevalier

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.

$2,000 – Dr. Chevalier

$2,000 – Dr. Sega

The investigators won't receive a course-load reduction during any part of the project. The funding provided will be used for an increased workload

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