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. Individuals or teams who would like to apply for an OER Revisions or Ancillary Materials Creation. 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).

Applicant Name *

Lisa Jellum

Applicant Position *

Assistant Professor

Applicant Institution *

Georgia Highlands College

Applicant Email Address *

Please use your institutional email address.

ljellum@highlands.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.

Jason Hitzeman, Sharryse Henderson

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.

- ○ Fall 2019
- ○ Spring 2020

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.

4800

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.

https://getlibraryhelp.highlands.edu/c.php?g=844309

Project Description *

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

Through a previous ALG Transformation Grant, the Georgia Highlands College Biology and Physical Education department created an open source text book for the Principles of Nutrition Courses (BIOL 2190 and PHED 2202). The free textbook has been well received by students, but there are integral elements found in traditional textbooks, or can be accessed through the purchase of an online key, that are absent from the current free offering and are necessary to support the instruction of the course.
After implementation of the free text book and preliminary student feedback had been collected, it was noticed that supporting components such as terminology checklists, homework test questions, and PowerPoint presentations for each chapter were required. In addition, some of the supplementary material was overwhelming for students to navigate through, and activity-based Lab instructions were not clearly understood.
In response, the goal of this mini-grant is to create new ancillary materials to improve student focus and engagement with the materials for greater learning outcomes.

The deliverables of the mini grant will be:
1. The creation of recorded mini-lectures offering an overview of the chapter content so that students can focus their efforts.
2. The creation of PowerPoint slides for each chapter to support the textbook and enhance the learning experience for students.
3. The creation of screencasts for chapter labs/projects/activities & visual demonstrations for labs that are activity based so that students have a clear reference point & and greater understanding of performance expectations.
4. The creation of chapter terminology checklists to serve as an informational foundation for content.
5. The creation of homework test questions for each chapter so that students can test their content knowledge.

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.

January 1st - April 15th 2019:
Each team member will create the PowerPoint slides, chapter terminology checklists, and homework test questions, for the following chapters:
Jason Hitzeman:
Chapter 1: Nutrition Basics
Chapter 2: Macronutrient Structures
Chapter 3: Macronutrient Digestion
Chapter 4: Macronutrient Uptake, Absorption, & Transport
Chapter 5: Common Digestive Problems
Chapter 6: Macronutrient Metabolism
Chapter 7: Integration of Macronutrient Metabolism
Sharryse Henderson:
Chapter 8: Micronutrients Overview & Dietary Reference Intakes (DRIs)
Chapter 9: Antioxidant Micronutrients
Chapter 10: Macronutrient Metabolism Micronutrients
Chapter 11: Carbon Metabolism Micronutrients
Chapter 12: Blood, Bones & Teeth Micronutrients
Chapter 13: Electrolyte Micronutrients
Lisa Jellum:
Chapter 14: Achieving a Healthy Diet
Chapter 15: Diet and Health- Chronic Disease Prevention
Chapter 16: Pregnancy and Lactation
Chapter 17: Nutrition Infancy through Adolescence
Chapter 18: Adulthood and the Later Years
Chapter 19: Nutrition and Fitness/Athletes
Chapter 20: Nutrition and Society

April 15th - May 1st 2019:
Survey questions to assess the new ancillary materials will be submitted –
Mini lectures, Screencasts, and visual demonstrations for Labs will be recorded and edited

May 14th - August 1st 2019:
First and partial implementation of ancillary materials in BIOL 2190 and PHED
Access to an online survey to assess the new ancillary material will also be available.
Modifications and adjustments will be made based on the survey results, student feedback, and feedback from faculty who have used the materials. The results will be shared with the rest of the department.

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.

$4800.00 which includes $1333.33 for each team member to compensate for the increased workload, and $800.00 to be allocated towards the purchase of 2 ipads for recording lectures and demonstrations.

Creative Commons Terms *

- [x] I understand that any new materials or revisions created with ALG funding will, by default, be made available to the public under a Creative Commons Attribution License (CC-BY), with exceptions for modifications of pre-existing resources with a more restrictive license.