
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 *

Soma Mukhopadhyay

Applicant Position *

Lecturer

Applicant Institution *

Augusta University

Applicant Email Address *

Please use your institutional email address.

smukhopadhyay@augusta.edu OGC@augusta.edu

Other Team Members

Please provide both names and email addresses here.

Charlotte Christy, e-mail: cchristy@augusta.edu

Colleen Davis, e-mail: coldavis@augusta.edu

Christina Wilson, e-mail: chrwilson@augusta.edu

Type of Project *

Revision of pre-existing OER

Creation of ancillaries for pre-existing OER

Other: _____

Course Number(s)

BIOL 1101L

Course Title(s)

Fundamentals of Biology Lab

Final Semester of the Project *

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

Summer 2020

Fall 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.

The currently existing resources for BIOL1101L - Fundamentals of Biology Laboratory are assignment packages for individual labs. Instead of using a printed lab manual, the resources are provided to students by each faculty member through the learning management system. A Box folder containing the current resources has been shared with Mr. Jeff Gallant to make those available to USG Grant Authority. (Mr. Gallant has already been consulted about this).

Project Description *

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

Project: Development of BIOL1101 Lab Manual for the Independent Lab Course

The primary goal of this project is to create an updated lab manual for BIOL 1101L – Fundamentals of Biology Laboratory. At Augusta University, BIOL 1101 - Fundamentals of Biology is a course designed for non-science majors. Previously a four-credit hour combined course, beginning in fall 2019, the lecture and lab have become separate courses to allow for increased maximum enrollment in each lecture section and to allow more scheduling flexibility by students. The course description for BIOL 1101L (lab) is: “Through a variety of exercises and experiments students will acquire and apply skills including scientific measurements, use of basic laboratory equipment, the scientific method, data analysis, and communication of results.”

The existing resources for BIOL1101L are assignment packages for individual labs which were developed by our faculty and provided free to our students through our learning management system (LMS). While we will continue provide these resources through our LMS at no cost to our students, the lab assignments require revision and reorganization to adequately support the new standalone laboratory course. A key focus of this work will be to update the lab activities to support the specific student learning outcomes and to ensure consistency across the many sections of the course. Learning outcomes will be clearly stated for each individual lab component, and activities will be redesigned or created to increase student competencies in the scientific method, lab safety, data analysis, and communication. The new experiments will be based on real-world scenarios, whenever possible, to make the learning experience more relevant and more applicable for these non-science majors.

Our team of four faculty are already working on this updated and improved online lab manual for BIOL 1101L. The newly created resource will be free to students through our LMS and adopted by all the faculty teaching at Augusta University. This resource will also be shared on Galileo under an open educational resource license. Thus, it could be adopted by other individuals or institutions who would like to use it for their non-science major's 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.

Phase1: October – December 2019 Collect new resources and begin updating the existing lab assignments

Phase 2: January – April 2020 Develop and create improved assignments with clear SLOs

Phase 3: May – June 2020 Completion of updated resources, create Lab Manual and upload it to be adopted and share

Personnel:

Our team of four faculty in the Department of Biological Sciences at Augusta University is working to develop BIOL 1101L as an independent course. Team members are Drs Soma Mukhopadhyay (Project Lead), Charlotte Christy, Colleen Davis and Christina Wilson. All of us will take equal responsibility towards creating a better and uniform resource for this course and will contribute more from their field of expertise. Dr Mukhopadhyay as a Project lead will also serve as a content editor of the newly created lab manual. The final product will be used by all lab instructors across the department and will be shared on Gallileo for others.

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.

Requested amount: \$4800.00

Personnel: \$ 4000 (\$1000/each faculty)

Dr Soma Mukhopadhyay (Project Director/Principal Investigator)

Dr Charlotte Christy (Co Investigator)

Dr Colleen Davis (Co Investigator)

Dr Christina Wilson (Co-Investigator)

Supplies: \$800 (towards Lab supplies required to improve the lab experience for students)

Handheld UV lamps X 2 = \$199 X2 = \$398

Brain Model: \$ 245

Ventricle Model \$157

Total: \$800

Creative Commons Terms *

- 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.
-

This content is neither created nor endorsed by Google.

Google Forms