

# 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 \*

Uttam Kokil

Applicant Position \*

Assistant Professor of Interaction Design

Applicant Institution \*

Kennesaw State University

Applicant Email Address \*

Please use your institutional email address.

ukokil@kennesaw.edu

Other Team Members

Please provide both names and email addresses here.

None

Type of Project \*

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

Course Number(s)

TCID 3400

Course Title(s)

Front End Development I

### Final Semester of the Project \*

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

- Fall 2020
- Spring 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.

\$2000 summer salary and \$800 Travel and Supplies

## 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.

"HTML and CSS: Build a Website" by Jon Duckett

[<https://www.wiley.com/en-us/HTML+and+CSS%3A+Design+and+Build+Websites-p-9781118008188>]

\$29.99 from Wiley Publisher

[[https://www.amazon.com/HTML-CSS-Design-Build-Websites/dp/1118008189/ref=sr\\_1\\_3?](https://www.amazon.com/HTML-CSS-Design-Build-Websites/dp/1118008189/ref=sr_1_3?keywords=jon+duckett&qid=1575932049&sr=8-3)

keywords=jon+duckett&qid=1575932049&sr=8-3] \$18.21 from amazon.com

Students from any major can enroll in the popular course Front End Development I (TCID 3400). The prestigious textbook titled "HTML and CSS: Build a Website" by Jon Duckett (2011) is liked by many students (as indicated in course evaluations). The contents are well organized with color illustrations; the book materials are engaging thereby helping in effective assimilation. It is important to note that the textbook provides fundamental knowledge of HTML/CSS for any new learner to be absorbed in the materials. There is no open quality learning materials that can replace the commercial textbook. For example, the open Saylor course only provides brief and basic knowledge without of HTML/CSS that is linked to the W3schools.com site. W3Consortium is making use of edX for training purposes and even though the courses are free, they are not open. There is no open materials that teach the subject matter using a critical thinking and problem solving approach, essentials components of reflective pedagogies to attempt the course objectives.

The common observation over the past semesters is that students found it challenging to connect to the concept of HTML and CSS and synthesize the materials to design and develop different sections of a website solely by completing the exercises from the textbook. This includes the challenge of displaying an effective information architecture.

Hence the need of supplemental lab materials are necessary to enhance teaching and learning. I plan to create 2 set of ancillaries (supplemental lab materials) to complement the course objectives which will be available in PDF. The ancillaries will take a full semester to complete. I will plan to conduct a pilot test of the two supplemental labs with at least 5-7 volunteers on campus over the summer 2020 to check for materials comprehension and any usability issues following IRB approval.

Through the ancillaries, essential knowledge will be dispensed so that students can understand how to synthesize the different parts of a website and learn the essential building blocks as it will include aspects of critical thinking and problem solving. Each lab will provide in-depth details to engage the learner to understand and apply contemporary knowledge in the creation of websites. An example of a successful HTML/CSS student class project (Spring 2019) is available at <http://www.creativepiksel.com>

## Project Description \*

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

The project's goal is to make Front End Development I (TCID 3400) course more accessible to students from various majors across campus. The objective is to create ancillary materials termed as labs that are independent of the OER textbook. The contents of the textbook will not be repurposed. A series of supplemental materials (2 PDF labs, each 12-15 pages long) with incremental challenging activities (include critical thinking and problem solving) will be created to enrich classroom learning experience. The labs will be published with the creative commons license on KSU OER website. The images/multimedia used in the labs will be free of copy rights as students will be instructed to utilize images from public domain (e.g. Pixabay, Wikimedia Commons) or to create their own individual contents. The purpose of creating the supplemental labs is for introducing adaptive contents based on current technology, which is not available in textbooks; the ancillaries will include critical thinking and problem solving components for application. This will shape metacognitive learners to reflect on their thinking before, during, and after completing each lab. They will also be able to use appropriate learning strategies for the task at hand, based on prior knowledge or experience.

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## 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.

1. Date May-June 2020: Milestone #1: Lab1 Design and Development

- (a) Create HTML links and Add text, images and multimedia lab (Uttam Kokil)
- (b) Prepare multimedia materials, conduct a lab pilot test with 5-7 participants, edit, and refine lab. (Uttam Kokil)

2. Date September - November 2020: Milestone #2: Lab 2 Design and Development

- (a) Using CSS3 Selectors to format webpages; Layout - devise columns and sections (Uttam Kokil)
- (b) Review pedagogical components, conduct a lab pilot test with 5-7 participants, edit, and refine lab 2 (Uttam Kokil)

Ancillaries scheduled to be completed by Nov 2020 and the new materials will dispensed in the classroom in Spring 2021.

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## 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.

Total fund request: \$2,800

(i) Dr. Uttam Kokil - course developer (\$2000).

(ii) Travel to both KSU campuses multiple times for recruitment of participants and conducting the pilot test , supplies - \$800

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## 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.

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