Affordable Materials Grants, Round 21:

Continuous Improvement Grants

(Spring 2022-Spring 2023)

Proposal Form and Narrative

# Notes

* The proposal form and narrative .docx file is for offline drafting and for our review processes. Submitters must use the online Google Form for proposal submission, including uploading this document.
* The only way to submit the official proposal is through the Google Form. The link to the online application is on the [Round 21 RFP Page](https://www.affordablelearninggeorgia.org/about/rfp_r21).
* The italic text provided below is meant for clarifications and can be deleted.

The Round 21 Kickoff will include an asynchronous training module, required for all team members to complete, followed by the synchronous Kickoff Meeting on March 25, 2022 from 1pm-4pm. At least two team members from each awarded team (unless the award is for one individual) are required to attend the synchronous Kickoff Meeting.

# Applicant and Team Information

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| Requested information | Answer |
| Institution | Fort Valley State University |
| Applicant name | Dawit Aberra |
| Applicant email  | aberrad@fvsu.edu |
| Applicant position/title | Professor of Mathematics |
| Submitter name  |  |
| Submitter email  |  |
| Submitter position/title |  |

Please provide the first/last names and email addresses of all team members within the proposed project. Include the applicant (Project Lead) in this list. Do not include prefixes or suffixes such as Ms., Dr., Ph.D., etc.

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| Team member | Name | Email address |
| Team member 1 | Dawit Aberra | aberrad@fvsu.edu |
| Team member 2 | Samuel Cartwright | cartwris@fvsu.edu |
| Team member 3 | Bhavana Burell | burellb@fvsu.edu |
| Team member 4 | Fesseha Gebremikael | fesseha.gebremikael@fvsu.edu |
| Team member 5 |  |  |

If you have any more team members to add, please enter their names and email addresses in the text box below.

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# Project Information

| Requested information | Answer |
| --- | --- |
| Type of Project | * *Revision of open educational resources (OER) used in existing courses*
* *Creation of ancillaries for existing OER courses*

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| Requested Amount of Funding*$10,000 maximum total award per grant* | *$8,000* |
| Course Titles and Course Numbers |  |
| Final Semester of Project | * Fall 2022
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| 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 revising, creating new ancillary materials for, or replacing. If replacing, please include a title and web address (URL) to the new OER as well.* | Textbook adopted during Round 10: OpenStax Introductory Statistics: <https://openstax.org/details/books/introductory-statistics> The corresponding old assessments and course content created during Round 10 are also available in FVSU’s D2L (<http://fvsu.view.usg.edu> ) Free and open resources (for the current textbook) to be used and revised to replace old assessments and online content are inside <http://www.myopenmath.com> ALG Round 10 Grants Collection #333 (open and scroll down to find MATH 2113; course number was recently changed to MATH 1401; submitted together with MATH 2174): <https://oer.galileo.usg.edu/mathematics-collections/40/>  |

# Project Goals

The major goal of this project is to increase student success. We will revise and improve the work done under the previous grant (Round 10) by replacing older and less helpful materials by new, more relevant and improved free resources to better align with the existing textbook learning goals and objectives. We will also create and/or link more video examples, and applets to enhance student learning using technology. To this end, we will:

1. Use free and open resources available inside **MyOpenMath** ([www.myopenmath.com](http://www.myopenmath.com)) and create new HomeWorks, Test Reviews and Tests replacing the old ones.
2. Ensure that assessments are free of error, algorithmically generated and are designed for instant feedback.
3. Add Power Point Slides that align better with the textbook for each lesson.
4. Strengthen the content of the course by creating new and/or linking more relevant and helpful video examples for each unit and lesson.
5. Create or link the most appropriate applets for lessons (sections) of the course where technology beyond graphing calculator is preferred.

# Action Plan

1. Kickoff meeting within 2 weeks of funding announcement (Aberra, Cartwright, Burell and Gebremikael; will take 1 hour).
2. Choose the most appropriate template for the course in MyOpenMath, clearly showing folders for Instructor Information, Course Information, Course Content, and Assessments organized by Units and Lessons (Aberra, Cartwright, Burell and Gebremikael; will take 2 hours per person)
3. Outline and agree on course objectives, course content and materials to be revised. Also revise the syllabus and course timeline as necessary (Aberra, Cartwright, Burell and Gebremikael; will take 2 hours per person)
4. Create (or link) Homework Assignments, Test Reviews, Tests, Applets and Power Point Slides of Units 1 and 2 and upload the materials to the template in MyOpenMath (Gebremikael; will take 40 hours).
5. Create (or link) Homework assignments, Test Reviews, Tests and Power Point Slides of Units 3 and 4 and upload the materials to the template in MyOpenMath (Burell; will take 40 hours)
6. Create (or link) Homework assignments, Test Reviews, Tests and Power Point Slides of Units 5 and 6 and upload the materials to the template in MyOpenMath (Cartwright; will take 40 hours)
7. Create (or link) Homework assignments, Test Reviews, Tests and Power Point Slides of Units 7 and 8 and upload the materials to the template in MyOpenMath (Aberra; will take 40 hours)
8. Review all the completed content and re-edit all content as needed, checking for accuracy and consistency (Aberra, Cartwright, Burell and Gebremikael; will take 3 hours per person)
9. Get approval of IRB and conduct student survey. Complete a final report of the project using student feedback (Aberra, Cartwright, Burell and Gebremikael; will take 3 hours per person). Dr. Aberra will coordinate and complete the final report and submit.
10. Create seamless integration between MyOpenMath and D2L (or Canvas/Blackboard, etc). Course cartridge can be exported from MyOpenMath.com via a course ID generated by the system (Dr. Aberra; will take 1 hour).

# Timeline

* **Spring 2022:** Complete **Action Plans 1 – 3.** Deadline to complete these tasks is April 30, 2022. At this stage, all participants know their role in the completion of the project.
* **Summer 2022:** Complete **Action Plans 4 – 8**. Deadline to complete these tasks is July 15, 2022. At this stage, we will have a course consisting of eight completed units, ready to be used for teaching in Fall 2022.
* **Fall 2022:** Complete **Action Plan 9 – 10.** Deadline to complete these tasks is November 30, 2022. At this stage, we will have a final report of the project to be submitted.

# Budget

Project Co-PI’s will be compensated for approximately 45 hrs. per person as follows:

* Dawit Aberra: $2000 compensation for Summer 2022
* Samuel Cartwright: $2000 compensation for summer 2022
* Bhavana Burell: $2000 compensation for Summer 2022
* Fesseha Gebremikael: $2000 compensation for Summer 2022

Total budget requested: $8000.00

# Creative Commons Terms

*I understand that any new materials or revisions created with Affordable Learning Georgia 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.*

# Accessibility Terms

*I understand that any new materials or revisions created with Affordable Learning Georgia funding must be developed in compliance with the specific accessibility standards defined in the Request for Proposals.*

# Letter of Support

*The Department Chair from the corresponding project.*

* *The department will provide support for fund disbursement in correspondence with the Grants/Business Office.*
* *The department approves of the work on the proposal by the applicant(s).*
* *The department acknowledges the sustainability of these affordable resources after the grant work is complete.*

*Please provide the name and title of the department chair (or other administrator) who provided you with the Letter of Support.*

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|  *Frederick Mclaughlin, Interim Chair of Mathematics, Computer Science, Biology and Chemistry.* |

# Grants or Business Office Acknowledgment Form

*Institutional Grants/Business Offices will be responsible for fund disbursement, often in correspondence with the Department Chair, including expense and travel reimbursement. All applicants will need to provide a signed Acknowledgement Form, the template for which is linked on the RFP page, stating that the Grants/Business Office knows about the applicant’s intent to apply for an Affordable Materials Grant. Either the Department Chair or the Project Lead can work with the Grants/Business Office to get this signed form.*

*In the case of multi-institutional affiliations, all participants’ institutions must provide this form.*

*Please provide the name and title of the grants or business office representative who provided you with the acknowledgement form.*

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| *Joyce Y. Johnson / Director of Sponsored Programs/ Fort Valley State University* |