Affordable Materials Grants, Round 18:

Continuous Improvement Grants

(Fall 2020 – Fall 2021)

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 18 RFP Page](https://www.affordablelearninggeorgia.org/about/rfp_r18).
* The italic text provided below is meant for clarifications and can be deleted.

# Applicant and Team Information

*The* ***applicant*** *is the proposed Project Lead for the grant project. The* ***submitter*** *is the person submitting the application (which may be a Grants Officer or Administrator). The submitter will often be the applicant—if so, just leave the submitter blank.*

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| --- | --- |
| Requested information | Answer |
| Institution | Fort Valley State University |
| Applicant name | Samuel Cartwright |
| Applicant email | [cartwris@fvsu.edu](mailto:cartwris@fvsu.edu) |
| Applicant position/title | Associate Professor of Mathematics |
| Submitter name | Samuel Cartwright |
| Submitter email | [cartwris@fvsu.edu](mailto:cartwris@fvsu.edu) |
| Submitter position/title | Associate Professor of Mathematics |

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.

|  |  |  |
| --- | --- | --- |
| Team member | Name | Email address |
| Team member 1 | Samuel Cartwright | cartwris@fvsu.edu |
| Team member 2 | Shanah Grant | Shanah.Grant@fvsu.edu |
| Team member 3 | Dawit Aberra | aberrad@fvsu.edu |
| Team member 4 | Bhavana Burell | burellb@fvsu.edu |
| Team member 5 | Tasha Alderman | aldermant@fvsu.edu |

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 | * Replacement of current OER in courses with new/better OER |
| Requested Amount of Funding  *$10,000 maximum total award per grant* | $10,000 |
| Course Titles and Course Numbers |  |
| Final Semester of Project | Fall 2021 |
| 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.* | The previous grant (Round 13: Grant Collection 423) the OER textbook was adopted  Yoshiwara, K., & Yoshiwara, B. (2006). *Modeling, Functions, and Graphs: Algebra for College Students* <https://www.oercommons.org/courses/modeling-functions-and-graphs-algebra-for-college-students>  and homework assignments and quizzes were created in D2L  <https://fvsu.view.usg.edu/d2l/home/1927191> for Mathematical Modeling (MATH 1101). |

# Project Goals

# Our primary goal is to improve and maintain high-quality effective no-cost to low-cost learning materials to students in both electronic and printable formats departmental-wide.

# Action Plan

# During the fall of 2020, the Mathematics Modeling Project Team will locate and gather free or low-cost course materials aligned with the Mathematics Modeling (MATH 1101) course. Recourses will be used to revise-create and update materials used in the previously funded grant.

# During Spring Semester 2021, Dr. Cartwright will create a course template in the Desire to Learn Platform (D2L) allowing all mathematics team members to have access to update and create as a group. Any future mathematics faculty member teaching MATH 1101 will also be able to access this reusable Mathematics Modeling Course Template. Also, during this time, the content objectives will be separated into four units in preparation for the work to be done during the summer. Dr. Aberra, Dr. Grant, Mrs. Alderman, and Mrs. Burell will each be responsible for completing one unit.

# Timeline

**November to December 2020**

The project team will outline as a group all of the course objectives. These objectives will be separated into four units. Dr. Cartwright will then build the Mathematical Modeling Course Template to correlate with the course objectives and edit into the template any materials created inside D2L from the previously created materials if needed. Dr. Cartwright will manage the template and provide support for any updates created and or revised for the course. He will keep records relating to all data associated with the teaching and learning of the materials. This includes getting Human Subjects research Approval to survey students on their experience with using the revised materials. He will also keep updates on any faculty feedback throughout the use of the materials as well as make any updates to the course materials.

**January to May 2021**

On an ongoing basis, the Mathematic Modeling Team will locate course content materials such as PowerPoint, or any new textbook(s) aligned with the unit objectives as well as any online homework resources that may be available either free or at a low cost. Dr. Cartwright will make any edits that the Mathematical Modeling Team recommends to the template as materials are located.

**June and July 2021 (Summer 2021)**

# Mrs. Alderman will create assignments for Unit 1 using resource materials found at a low-cost or no-cost. That is homework assignments, quizzes, and or tests and have the links placed in D2L. Other accessories may also be taken from Openstax.org such as PowerPoint Presentations, textbook readings, and paper homework assignments for each section by the unit topics.

# Mrs. Burell will create assignments for Unit 2 using resource materials found at a low-cost or no-cost. That is homework assignments, quizzes, and or tests and have the links placed in D2L. Other accessories will also be taken from Openstax.org such as PowerPoint Presentations, textbook readings, and paper homework assignments for each section by the unit topics.

# Dr. Grant will create assignments for Unit 3 using resource materials found at a low-cost or no-cost. That is homework assignments, quizzes, and or tests and have the links placed in D2L. Other accessories will also be taken from Openstax.org such as PowerPoint Presentations, textbook readings, and paper homework assignments for each section by the unit topics.

# Dr. Aberra will create assignments for Unit 4 using resource materials found at a low-cost or no-cost. That is homework assignments, quizzes, and or tests and have the links placed in D2L. Other accessories will also be taken from Openstax.org such as PowerPoint Presentations, textbook readings, and paper homework assignments for each section by the unit topics.

# Dr. Cartwright will keep updating/uploading the edited materials provided by each unit creator into the course template to ensure that the materials are organized for easy student access. Also, Dr. Cartwright will compile data collected for the duration of the grant, if funded. This information will be disseminated at conferences or meetings.

# Budget

Each Mathematical Modeling Team member will be compensated $2000 for the work done during the summer.

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| **Summer Compensation** |
| Dr. Dawit Aberra | $2000.00 |
| Dr. Shanah Grant | $2000.00 |
| Mrs. Tasha Alderman | $2000.00 |
| Mrs. Bhavana Burell | $2000.00 |
| Dr. Samuel Cartwright | $2000.00 |

* *$2,000 maximum per team member for salary, course release, travel, etc.*
* *Additional project expenses allowed, but must be adequately justified in this section*
* *$10,000 maximum total award per grant*

# 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](https://www.affordablelearninggeorgia.org/about/rfp_r18).

# Letter of Support

The Department Chair from the corresponding project*.*

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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| Department Chair: Dr. Dwayne Daniels |

# Grants or Business Office Letter of Acknowledgment

*Institutional Grants/Business Offices will be responsible for fund disbursement, often in correspondence with the Department Chair, including expense and travel reimbursement. Applicants will need to provide a short Letter of Acknowledgment 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 letter.*

*In the case of multi-institutional affiliations, all participants’ institutions must provide a letter of acknowledgment.*

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

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| VP of Finance and Business: Mrs. Martin, Michelle D |