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 | VALDOSTA STATE UNIVERSITY |
| Applicant name | SHAFAT MUBIN |
| Applicant email | [smubin@valdosta.edu](mailto:smubin@valdosta.edu) |
| Applicant position/title | ASSISTANT PROFESSOR OF PHYSICS |
| 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.

|  |  |  |
| --- | --- | --- |
| Team member | Name | Email address |
| Team member 1 | SHAFAT MUBIN | smubin@valdosta.edu |
| Team member 2 |  |  |
| Team member 3 |  |  |
| Team member 4 |  |  |
| 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 | * *Creation of ancillaries for existing OER courses* |
| Requested Amount of Funding  *$10,000 maximum total award per grant* | $1500 |
| Course Titles and Course Numbers | PHYS 1112K: INTRODUCTORY PHYSICS II |
| Final Semester of Project | * *Summer 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.* | PHYS 1112K - Affordable Learning Georgia Materials https://vtext.valdosta.edu/xmlui/handle/10428/2726 |

# Project Goals

This project aims to make video lectures and slides available to students and instructors of PHYS 1112K: Introductory Physics II. Given the recent emphasis on remote learning, there has been an increased demand for alternatives to in-person lectures, within technology constraints that do not always facilitate live lecture streaming and viewing. Therefore, the goal of this project is to provide an accessible option through a complete set of uploaded Powerpoint lecture slides that cover course material for the entire semester, along with uploaded video lectures that supplement these slides.

The Powerpoint slides are intended to serve as independent, self-contained resources that include chapter references to the OpenStax College Physics textbook. The slide sets will be organized by topic and each set will occupy one or two weeks’ worth of lecture time. The uploaded video lectures will be based on the slides and will consist of audio narrations as these slides are presented to viewers, aided by laser pointer highlighting, handwritten notes and animation.

This way, an interactive learning experience is offered to students, which can be accessed from personal devices without compromising the key benefits of lecture-style learning. At the same time, the uploaded material can serve as a resource for new instructors who can choose slide content for their own lectures or use the video lectures as additional resources.

# Action Plan

The project action plan consists of incorporating audio narrations and associated captioning to existing Powerpoint slides.

Dr. Mubin possesses several years of experience lecturing PHYS 1112K using lecture slides that have been continuously enhanced for content and presentation. These slides are replete with animations that facilitate step-by-step flow of information conducive to student learning. At the same time, this animated style of presentation facilitates conversion of these slides into video lectures using built-in audio narration recording, laser pointer highlighting and pen tool marking features in Powerpoint presentation mode.

Dr. Mubin has already created lecture videos for this class using these features and has uploaded to a YouTube channel.

YouTube allows automatic conversion of audio to closed captioning text that comply with ALG accessibility standards. Dr. Mubin will inspect the auto-generated text and edit as required to correct errors and conform to the lecture presented. Once finalized, the lecture slides and the links to the lecture videos will be uploaded to Vtext Institutional Repository and LibGuides to provide open access to students and instructors.

It will be Dr. Mubin’s role to complete the entire plan from beginning to end. The principal time commitment lies in the manual inspection of auto-generated closed captioning text by YouTube, which will take an estimated 40 hours of involvement. The time spent on editing slides and re-rendering videos will be considerably shorter owing to the material already available in Dr. Mubin’s repository.

# Timeline

**Spring and Summer 2021:** Overload for Dr. Mubin, if proposal is funded. Complete video uploads with edited captioning. Upload content to Vtext.

# Budget

* Dr. Mubin - $1500 for overload in Spring and Summer 2021

# 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, or the Department Chair’s direct report such as the Dean or Provost, must provide a signed Letter of Support for the project. This letter should acknowledge the following:*

* *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.*

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

*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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| **DR. PAUL VINCENT**, INTERIM DEPARTMENT HEAD, DEPARTMENT OF PHYSICS, ASTRONOMY, GEOSCIENCES AND ENGINEERING TECHNOLOGY, VALDOSTA STATE UNIVERSITY |

# 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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| **ELIZABETH ANN OLPHIE**, DIRECTOR, OFFICE OF SPONSORED PROGRAMS AND RESEARCH ADMINISTRATION, VALDOSTA STATE UNIVERSITY |