Affordable Learning Georgia Textbook Transformation Grants

Final Report for Mini-Grants

General Information

Date: 5/23/2018

Grant Round: 10

Grant Number: M5

Institution Name(s): Georgia Gwinnett College

Team Members (Name, Title, Department, Institutions if different, and email address for each):

1. Shuhua Lai, Professor of Information Technology, slai@ggc.edu, Georgia Gwinnett College
2. Kairui Chen, Associate Professor of Information Technology, kchen@ggc.edu, Georgia Gwinnett College

Project Lead: Shuhua Lai

Course Name(s) and Course Numbers: Digital Media, ITEC 2110

Final Semester of Project: Spring 2018

If applicable to your project:

Average Number of Students Per Course Section: 24

Number of Course Sections Affected by Implementation of Revised Resources: 3

Total Number of Students Affected by Implementation of Revised Resources: 72

1. Project Narrative

Describe the course of your revision or ancillary creation project, including

- *A summary of your project's purpose, plan, and timeline.*

Purpose and plan

In 2015, The PIs were funded with an ALG Textbook Transformation Grant and successfully developed a suit of no-cost-to-student course learning materials for ITEC 2110 (Digital Media). The materials have been made available to approximately 1,700 GGC students who take this course annually, which has resulted in significantly reduced costs to students.

However, the technology used in Digital Media continues to advance like those used in other IT courses. In particular, the software we used in 2015 when designing our learning materials has evolved to new editions with new functionalities and new interfaces. Accordingly, some of the course learning materials designed in our previous ALG grant are largely obsolete. Therefore, our goals are to update these course materials to keep them up-to-date.

Timeline:

11/30/2017
1. Complete identifying all course modules that need to be revised. This includes revision of the course syllabus and test banks for quizzes, tests and final exam.

12/31/2017
1. Complete all course level course material revision. This includes all revision to the complementary reading materials, lecture notes, tutorials/video clips, hands-on activities, labs, and homework assignments.
2. Develop a new survey of using the no cost materials

1/31/2018
1. Pilot the revised materials in spring 2018 semester to at least 4 sections of ITEC 2110.
2. Deliver the first report.

04/30/2018
1. Complete the course offering in the spring semester.
2. Complete student evaluation.
3. Complete the survey data collection.

05/31/2018
1. Complete data collection and analysis.
2. Compose final report

- *The original works which were revised or added to, with links.*
  - *For example, if you revised an open textbook, give the title, author, and link.*

    We revised the open textbook materials for "Digital Media", by Shuhua Lai and Kairui Chen, which is freely available online at https://oer.galileo.usg.edu/compsci-collections/6/ .

- *A narrative description of how the project's plan was carried out.*

  The carry-out plan was to:

  1. Revise and create a new set of ITEC 2110 course materials that will (a) reflect the most recent advancements suitable for ITEC 2110 and (b) incorporate the feedbacks we received from students and faculty who used the no-cost-to-student course learning materials over these two year period; and

2. Pilot the revised course learning materials in spring 2018 semester to 3 sections of ITEC 2110 --including reading materials, lecture notes, tutorials/video clips, hands-on activities, labs, homework assignments, and tests-- that are consistent with new technological advances in the area of digital media.

- *Lessons learned, including anything you would do differently next time.*

We did not have the opportunity to invite other faculty members to get involved in the process of revising and updating the course materials. Next time it would be great if we have more input from our colleagues about how to better the course materials.

2. Materials Description

- *Describe all the materials you have created or revised as part of this project. These descriptions may be used in the GALILEO Open Learning Materials repository in the official description field.*

Updated materials for this project include:

1. Updated all the lecture PPT slides
2. Modified some of the in-class activities
3. Added a few new lab activities
4. Updated some of the test questions.

3. Materials Links

- *If you are hosting your materials in places other than GALILEO Open Learning Materials, please provide these links in this section. Otherwise, leave blank.*

The revised and updated new materials are posted and freely available at:

http://wiki.ggc.edu/wiki/ALG:ITEC2110:Revised

4. Future Plans

- *Describe any planned or actual papers, presentations, publications, or other professional activities that you expect to produce that reflect your work on this project.*
- *Describe any plans to revise or add to these materials in the future.*

In the future, we plan to provide the updated new no-cost-to-students course materials to more sections of the Digital Media course and expanding the Affordable Learning concept into other potential courses.