**Affordable Learning Georgia Affordable Materials Grants  
Continuous Improvement Grants Final Report**

*(or Mini-Grants, for R17 and earlier)*

# General Information

Date: 12/15/21

Grant Round: 18

Grant Number: M140

Institution Name(s): Georgia Highlands College

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

Jason Hitzeman, Professor of Health Science, [jhitzma@highlands.edu](mailto:jhitzma@highlands.edu)

Sharryse Henderson, Professor of Science, [shenders@highlands.edu](mailto:shenders@highlands.edu)

Cynthia Elsberry, Adjunct professor of Health Science, [celsberr@highlands.edu](mailto:celsberr@highlands.edu)

Melanie Vincent, Librarian, [mvincent@highlands.edu](mailto:mvincent@highlands.edu)

Project Lead: Lisa Jellum, Division Chair of Health Science, [ljellum@highlands.edu](mailto:ljellum@highlands.edu)

Course Name(s) and Course Numbers: Principles of Human Nutrition, BIOL 2190 and Nutrition Principles, PHED 2202

Final Semester of Project: Fall 2021

***If applicable to your project:***

Average Number of Students Per Course Section: 36

Number of Course Sections Affected by Implementation of Revised Resources: 6

Total Number of Students Affected by Implementation of Revised Resources: 218

# Project Narrative

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

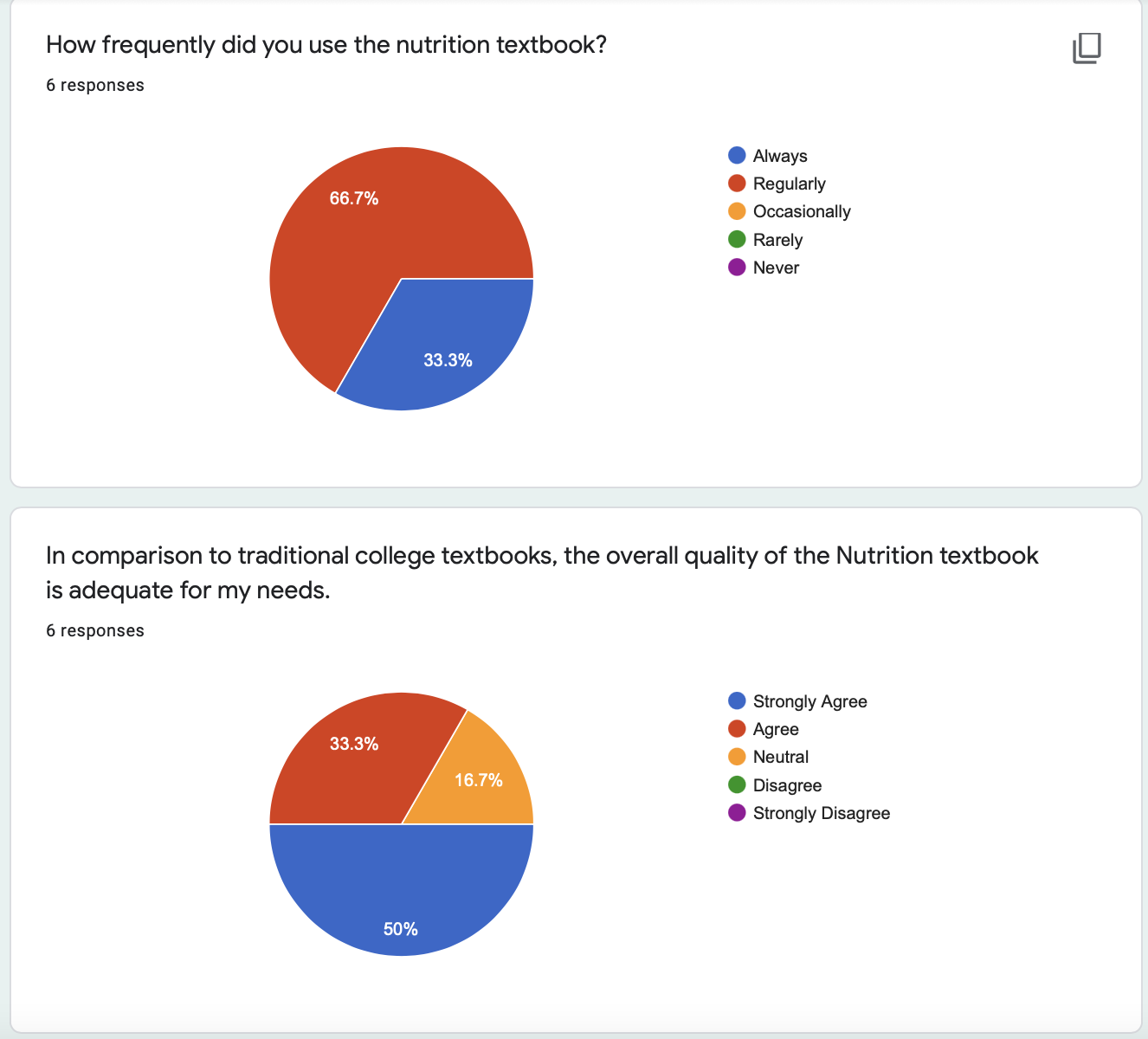
* *A summary of your project’s purpose, plan, and timeline.*
* *The original works which were revised or added to, with links. For example, if you revised an open textbook, give the title, author, and link.*
* *A narrative description of how the project’s plan was carried out.*
* *Lessons learned, including anything you would do differently next time.*

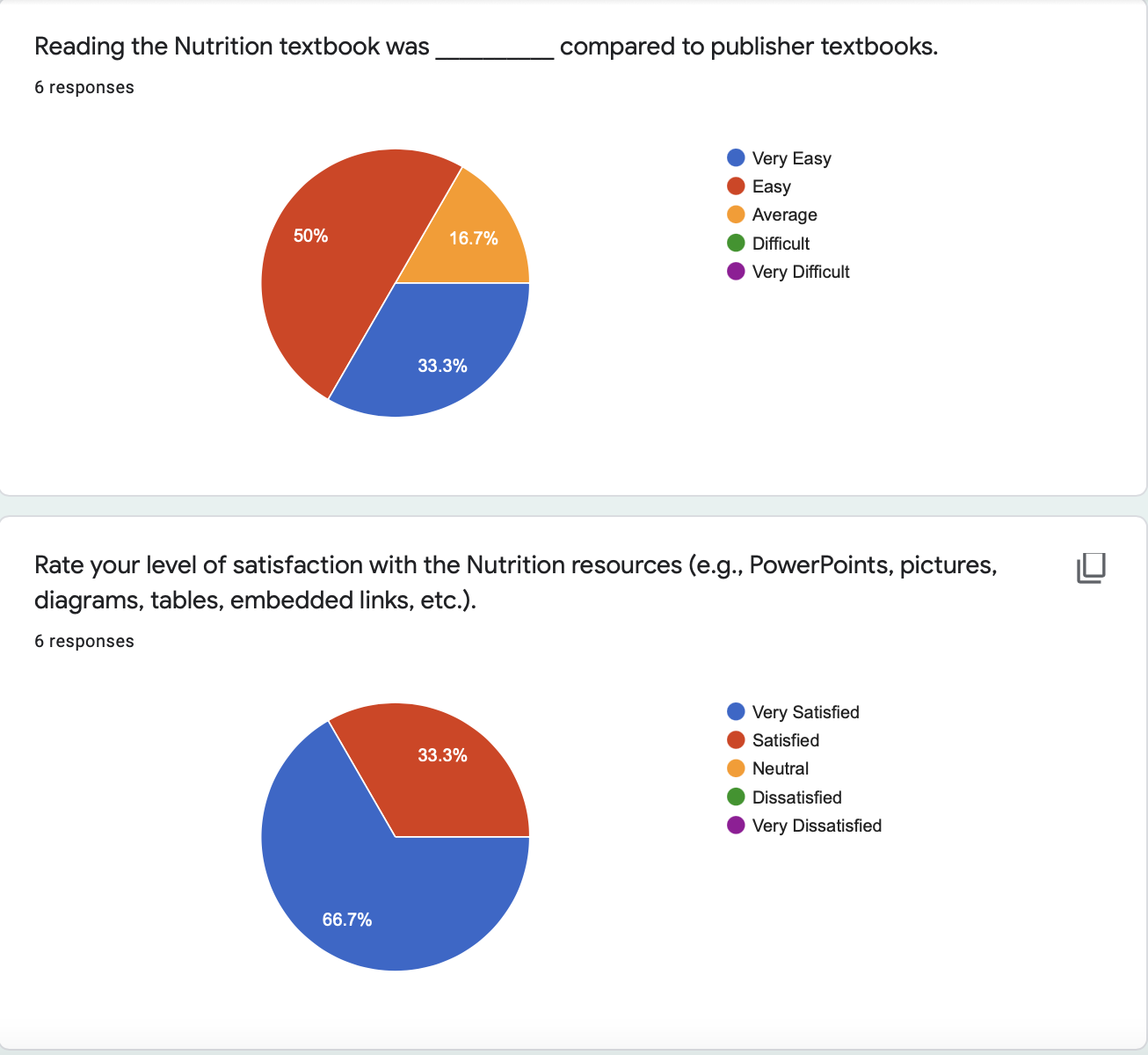
With the Affordable Learning Georgia Textbook Transformation Grant round #324 the OER textbook for Nutrition (BIOL 2190/PHED 2202) was created to serve populations taking introductory nutrition courses at Georgia Highlands College (GHC). This textbook is now in its third edition with the most recent updates in Fall 2021. GHC revised this text and revised multiple supporting ancillaries including chapter PowerPoints, checklists, homework/quizzes, and created mini-lectures. This textbook and the supporting ancillaries are very popular OERs within the Galileo Open Learning Materials repository and our secondary hosting site, GHC Principles of Nutrition LibGuide there is a responsibility to continue to create/remix/revise the text to keep up with the everchanging content covered within the course. The revision of the text in round 18 had goals of:

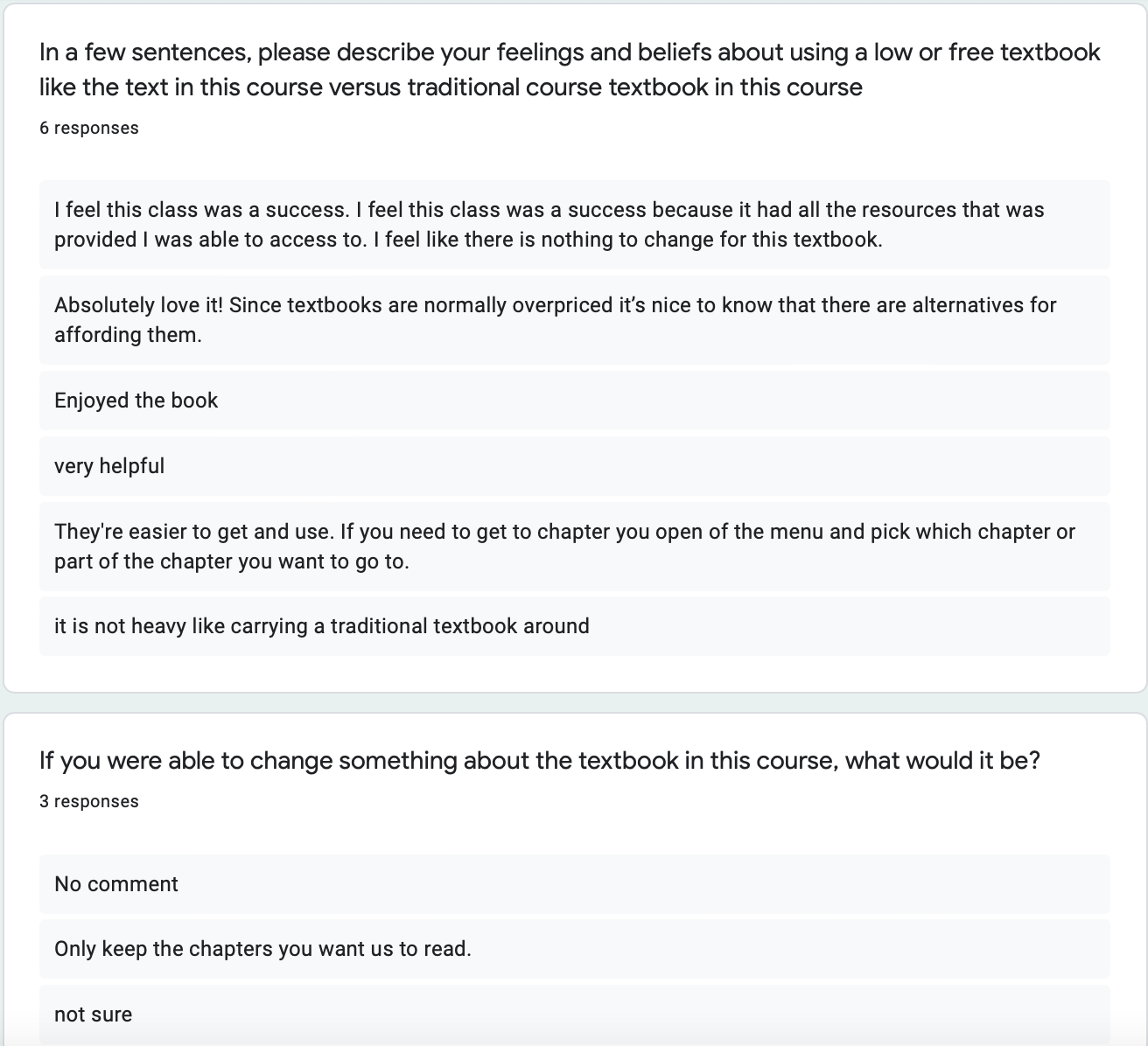
1. Update the text and supporting ancillaries to reflect the ever-changing content covered within the course, confirm accuracy of content, and improve clarity; **(COMPLETED)**
2. Edit images within the text and supporting ancillaries to ensure proper citation, and appropriately revise the Alt-Text to ensure accurate depiction of the photos; **(COMPLETED)**
3. Reformat the text and supporting ancillaries to improve the aesthetic of the text and to create a more pleasing and learner-friendly set of resources; **(COMPLETED)**
4. Produce a series of short closed-caption lecture videos for each chapter in order to build a video library to help facilitate face-to-face, hyflex, and online instruction; **(COMPLETED)**
5. Ensure revised text and all supporting ancillaries possess the Creative Commons Attribution License (CC-BY) **(COMPLETED)**
6. Ensure revised text and all supporting ancillaries adhere to required accessibility design principles for documents, video, audio, images, and PowerPoints; and **(COMPLETED)**
7. Utilize ADDIE principles of instructional design during the revision and/or creation of ancillary materials to allow learners to better navigate resources using a methodical and researched strategy. **(COMPLETED)**

The team first started with the analysis phase where the inquiry was to find what was missing or needed from the group. The grant team members then looked for ways in which their content expertise could be utilized to create/remix/revise the current text and ancillaries. The analysis of the text lead the team to break up the material into equal parts as follows:

* **Lisa Jellum:** Generate grant reports and serve as liaison between GHC and USG on grant correspondence; Revise and update the following text chapters and corresponding PowerPoints, chapter checklists, and activities: CHAPTER 11 - Energy Balance and Body weight, CHAPTER 12 - Nutrition through the Life Cycle- From pregnancy to the toddler years, CHAPTER 13 - Nutrition through the Life Cycle- From childhood to the elderly years, CHAPTER 14 - Nutrition and Society- Food Politics and Perspectives, CHAPTER 15 - Achieving Optimal Health, wellness and nutrition.
* **Cynthia Elsberry:** Record and closed-captioning short lecture videos for the following chapters: 1-15
* **Sharryse Henderson:** Revise and update the following text chapters and corresponding PowerPoints, chapter checklists, and activities: CHAPTER 1 - Nutrition and You, CHAPTER 2 - Achieving a Healthy Diet, CHAPTER 3 - Nutrition and the Human Body, CHAPTER 4 – Carbohydrates, CHAPTER 5 – Lipids
* **Jason Hitzeman:** Revise and update the following text chapters and corresponding PowerPoints, chapter checklists, and activities: CHAPTER 6 – Proteins, CHAPTER 7 - Nutrients for fluid and electrolyte balance, CHAPTER 8 - Nutrients important as Antioxidants, CHAPTER 9 - Nutrients for Bone Health, CHAPTER 10 - Nutrients important for metabolism and blood function
* **Melanie Vincent:** Advise and assist content experts on effective instructional design practices to consider and utilize throughout the design and development phases of the project. Advise and assist content experts on incorporation of accessible document design, inclusion of images with appropriate alt-text, producing accurate closed-captioning video and audio transcripts, and creating accessible PowerPoints. Upload all revised materials to the LMS, GHC Principles of Nutrition LibGuide, and to the Galileo Open Learning Material Repository. Ensure CC-BY added to text and all ancillaries

The group used Early Spring of 2021 to meet about revisions, break up the chapters, create uniformed guidelines for ancillaries and textbook revisions, and start the development of the material. In Late Spring of 2021, the team members began making revisions, correcting links, rectifying accessibility issues, improving aesthetics, and making lectures. In Summer of 2021, team members continue making revisions, correcting links, rectifying accessibility issues, improving aesthetics, and generating videos for assigned chapters; second half of assigned chapters and associated ancillaries. In Fall of 2021, the LibGuide was revised and was used in Fall of 2021. The following survey data was collected from students taking Nutrition in Fall 2021 with the revised material: 





# Materials Description

*Describe all the materials you have created or revised as part of this project. These descriptions may be used in the* [OpenALG](https://alg.manifoldapp.org/) *repository description field. Include the* [*open license your materials will be shared under*](https://creativecommons.org/share-your-work/)*—for most materials, this will be an Attribution 4.0 License (CC BY) as required in the Grants Request for Proposals.*

o   Textbook Chapters (WORD format/PDF).

o   Chapter Summaries (WORD format).

o   PowerPoints

o   Mini-Lectures (Closed-captioned videos)

# Materials Links

*If you are hosting your materials in places other than OpenALG, please provide these links in this section. Otherwise, leave blank. Note: we cannot access D2L or Canvas links.*

[***https://getlibraryhelp.highlands.edu/c.php?g=844309***](https://getlibraryhelp.highlands.edu/c.php?g=844309)

# 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 would like to stay with the commitment to continuously revise/remix/create material for Nutrition. In the future we would like to create lab videos and create case studies to help strengthen the utilization of the textbook in relation to real-world examples. Dietary Guidelines for Americans is revised/update every 5 years and the Healthy People program and Physical Activity Guidelines for Americans are revised and updated every 10 years. This means it will be important for us to update this text on a routine basis in order to provide the most accurate and up-to-date content.