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

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

# General Information

Date: 6/16/2025

Grant Round: 25

Grant Number: M286

Institution Name(s): University of Georgia

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

Nathan Thacker (Nathan.thacker@uga.edu)

Marc Iuliucci (marc.iuliucci@uga.edu)

Nicholas Llewellyn (Nicholas.llewellyn@uga.edu)

William Ellenberger (William.ellenberger@uga.edu)

Project Lead: Shelby Dickerson

Course Name(s) and Course Numbers: Modern Organic Chemistry I CHEM 2211

Final Semester of Project: Spring 2025

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

Average Number of Students Per Course Section: 150

Number of Course Sections Affected by Implementation of Revised Resources: 5

Total Number of Students Affected by Implementation of Revised Resources: 750

# Project Narrative

The purpose of this project was to generate recitation worksheets for the Modern Organic Chemistry I course, which also supported project M721, a Transformation Grant to redesign the Modern Organic Chemistry I and II courses (CHEM 2211 and CHEM 2212 course). We also generated supplementary videos to assist students with various topics.

During June 2024, the organic faculty listed on this project met to discuss assignment of recitation worksheets which included distributing lecture topics. Not all the recitations were completed during this period, but several were generated and shared amongst the organic faculty for review and editing.

During the Fall 2024 term (August to December), the recitation assignments were implemented in the CHEM 2211 courses. At the end of the term (December 1-6th), a survey was provided for students to offer feedback on the recitation assignments and other course resources. The recitation assignments were the top resource students found most helpful in the course.

During the fall term, 50 videos were generated to assist student with learning content, which covered chapters 1-5 out of 10 for the course. These videos were more time-intensive that anticipated but received positive feedback from students. We look forward to generating more videos to cover the remaining topics and have ideas for more interactive videos to assist student’s critical thinking skills.

With the feedback provided, minimum changes were made to the recitation assignments for the spring term (January – May 2025). A second survey was provided for the spring students the last week of April 2025, and the recitation assignments were again the top resource students found helpful to prepare for the course.

# Materials Description

We have generated 13 recitation worksheets and 50 supplementary lecture videos for the Modern Organic Chemistry course. We will be using an Attribution 4.0 License (CC BY).

# Materials Links

# Future Plans

We will continue modifying and generating recitation worksheets to build a question bank to be used for future semesters.

We are also interested in presenting our recitation format at future conferences as well as looking into publishing opportunities.

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