

Application Number	M64
Applicant	Suzanne Ellenberger
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Institution	University of Georgia
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Team Members	Sara Blankenship, Joel Caughran, Vince Du, Ana West
Type	Creation of Ancillary Materials for CHEM 1211 PLA Sessions

Course Number / Title	CHEM 1211
Final Semester	Fall 2019
Grant Amount	\$4,800.00
Works Being Revised	Creation of Ancillary Materials for CHEM 1211 PLA Sessions

Description	<p>CHEM 1212 has recently adopted and is reorganizing an OER textbook, "Atoms First". This has involved reorganizing the content so the traditional order of presentation has been changed. An additional significant change is that key topics are introduced multiple times in early chapters on a basic level and are then covered in depth in a later chapter in either CHEM 1211 or 1212. The purpose of this is to help students see the interconnectedness of the material to both chemistry and other disciplines rather than viewing the content as individual or discrete subjects. Part of this course redesign included the use of peer learning assistants (PLA's) either in class, in an additional weekly one hour study group, or an additional weekly one hour recitation section. Early data has shown that students who utilize PLA's in CHEM 1211 earn a greater number of A and B grades compared to CHEM 1211 students in non-PLA sections (approximately 62% versus 48%). The past two semesters have utilized PLA's in only one section of CHEM 1211, respectively, but in the coming semester the PLA program for CHEM 1211 is being expanded to all sections of the class.</p> <p>During the CHEM1211 PLA sessions students utilize additional resources such as worksheets and case studies. The purpose of this proposal is to develop these ancillary materials which will include worksheets, case studies and videos to embed in the textbook to better meet the needs of the students to assist in deeper learning and understanding of the content and the interrelation of chemistry to other disciplines.</p>
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Timeline	<p>All team members will be involved in each of the tasks listed below. In the spring semester Ellenberger, Gokal, West and Caughran are teaching two classes; in the summer term Ellenberger 1 class; in the fall semester Ellenberger 2 classes, Caughran 1 class, Gokal and West 3 classes.</p> <p>February 1 – December 1: Develop worksheets, case studies and other ancillary materials such as videos to embed within the textbook for use during PLA sessions</p> <p>August 1 – August 31: Create a survey for the new materials to be given to student users in CHEM 1211</p> <p>December 13: Survey data for the new materials has been collected and compiled from students in CHEM 1211</p>
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Budget	Funds will be used to provide one month of summer support for eligible team members (maximum of \$2,000 support to any individual). Projected expenses are unknown until the new materials have been created.
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