

Georgia Southern University

Blue Bloods and Red Knots of Sapelo Island 2017

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The goals of this week long summer science course, with spring preview and yearlong follow-up, are to enhance the content knowledge and pedagogy of Georgia public school science teachers at the middle and high school levels in the area of ecological inquiry and earth science as they become acquainted with the interdependence of Atlantic Horseshoe Crabs and the migration Red Knot shorebird of Sapelo Island, Georgia. Enhancing literacy and technology in the science classroom are also goals of this course. This is a renewal of a current Improving Teacher Quality funded project. During the week of May 28 p June 2, 2017, on Sapelo Islands, teachers will spend significant time investigating the interdependence of these two organisms as they learn to create guided inquiry lessons in their own classrooms. A spring preview class will be held April 28-30, 2017 at Jekyll Island where teacher participants will learn about the interdependence of the horseshoe crab (*Limulus Polyphemus*) and the Red Knot shorebird (*Rufa ssp.*). In addition, participants will share presentations of their guided inquiry lessons in fall 2017 at the Georgia Marine Educators (GAME) Annual Conference, with classroom visits by grant faculty throughout the year to observe the implementation of inquiry activities in participants' classrooms.

Additional goals are to provide an introduction to the Georgia Standards of Excellence, provide opportunities for investigation and inquiry, and encourage the application of new knowledge and skills in the classroom setting. All expenses associated with participation will be paid by the grant and teacher participants will receive a \$250 stipend for participation.

Arts & Sciences Unit of Institute of Higher Education
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High Need LEA(s)
Emanuel County