Title of Project: Fully Developing an Activity-based Integrated Science Course for Future Elementary Teachers

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**Executive Summary**

ISCI 2001 taught in the Geosciences department is one of two science overview courses for future elementary teachers. During the 2011-12 academic year it was co-taught by professors from the Geosciences and the Early Childhood Department. At that time the course underwent several revisions including sequencing of topics, and a change from traditional lecture/lab to a constructivist, activity-based teaching model. This collaborative continues during the current academic year as the activity-based, constructivist model of instruction is further refined and enhanced. Developing and extending the use of activities calls for additional materials for use with students. Feedback from students, grades, scores on certification tests, and interviews will be used to evaluate the success in preparing future elementary teachers. The results of this collaborative course and the success of the instructional changes will be disseminated through the STEM conference at Georgia Southern University in March 2013 and the SASTE conference in the fall of 2013. The previous year’s work will be presented at the January 2013 annual conference of the Association of Science Teacher Educators by the collaborators.