2010-11 Program Assessment Update

Department & Program: Natural Science Major under BAE-Elementary

submitted by: Heather McKean

1. Student Learning Outcome	2. Strategy or method of measurement	3. Observations gathered from data	4. Actions recommended based on observations	5. Plan and timetable for taking action	6. Overall evaluation of progress on objective
Understand the process of science	Assignment scores in Biol115, Geol 115, NTSC 301, NTSC 302	Biol115-100% met obj. with 888% average. NTSC 302- 100% met with 80% average GEOL 115- Averaging scores from 2 individual investigation assignments, 95% met objective, with 82% average	This is a difficult concept to grasp but key to successfully teaching science. We need to do more investigations.		Met objective
Understand how energy and matter flow through physical, life and earth systems	Assignments in NTSC 301, NTSC 302	Will measure in 2012			
Understand the evolution of natural systems and factors that result in evolution or equilibrium	Assignment scores in NTSC 301, 302	NTSC 301 - 93% met objective on assignment with 85% average	Address understanding of this complex SLO and assess in other classes within program		Met objective
Understand how systems are organized	Assignment scores in	. Will measure in 2012			
Understand the process of learning through inquiry	Assignment involving creation and presentation of an inquiry lesson as part of NTSC 390. This is the science methods class that all students in the program are required to take.	1) A 4-point rubric was used to assess different components of their lesson. One part specifically assessed the level of inquiry included in the lesson. 2) 86% of students met or exceeded expectations. The remaining14% percent minimally met the objective.	Continue to stress and model for the students inquiry learning throughout the program		Met objective