NMHU/LCC Science and Agriculture Summer Experience (SASE) Project

> Edward A. Martinez, PhD Assistant Professor New Mexico Highlands University Award #2006-03478 \$334,000





















Activities	Timeline	Products, Results, and Measurable Outcomes		
Process Objective 1: Develop a formal partnership between New Mexico Highlands University and Luna Community College for recruitment and retention of underrepresented students in agricultural sciences including outreach to high schools in northeastern New Mexico.				
Make initial contact with Luna Community College to develop partnership plan and to establish LCC project representative.	Completed •	Finalized agreement Letter of support signed by LCC President		
Make initial contact with high schools in northeastern New Mexico to obtain permission to visit schools and recruit seniors interested in science.	8/06 •	Verbal agreement with school counselors		
Create a student application form for student recruitment for summer institute in collaboration with LCC	8/06 •	Finalized student application form		
Visit high schools in northeastern New Mexico and give presentation on the importance of the agricultural sciences. Also disseminate applications and begin to recruit students for summer institute.	8/06 o 4/07	Familiarize students with Ag. Sciences Begin recruitment of student participants		
Form a committee for student application evaluation and selection of students to participate in summer institute.	2/06 •	Final list of evaluation committee		
Disseminate application form to LCC, NMHU, and high schools in northeastern New Mexico.	/07-2/07 •	Begin recruitment for summer institute		
Evaluation committee will review and evaluate applications and make final selection.	8/07 •	Final list of students selected to participate		
Write formal letter of acceptance to students and ask for their commitment to participate in summer institute during summer 2007	•/07	Final list of student participants		

Process Objective 2: Create a summer institute for incoming freshman and Luna transfer The institute will provide an overview of agricultural sciences followed by in depth e sciences, microbiology (food borne pathogens), water sciences, geology, and GIS	er stude xposure (Geogra	ents (initial goal for 20 students). e to specific fields such as soil aphical Information Systems).
The first day of the institute students will meet at one central location and meet with NMHU and LCC representatives where they will be instructed on their food, lodging and the activities for the weeks that follow.	8/07	Account for all student participants Show students their living quarters
First day midmorning, students will take a tour of the NMHU library and learn how to do a literature searches using the resources available at that library.	8/07	Students will use this skills when completing their lab report and presentation
First day afternoon, separate students into groups and assign students to instructors for the rest of the week (Monday afternoon to Friday).	8/07	Students work on activity module A
Saturday, meet with students in computer center and work on lab report write-up	8/07	Students complete lab report
Monday morning have students meet with their instructors to review lab report and further discuss Activity Module A findings	8/07	Students will receive feedback from instructors on their writing and interpretation of lab results
Monday midmorning, students will attend presentation by NRCS personnel on the importance of agricultural sciences and its sub disciplines.	8/07	Students will be informed of career possibilities within the USDA and NRCS
Monday afternoon, student groups will switch instructors and begin to work on Activity Module B (Monday afternoon to Thursday).	8/07	Students work on activity module B
Friday, students will work with their instructors on preparing a presentation of Activity Module B using PowerPoint.	8/07	Students learn how to prepare a presentation
Saturday morning students will present their findings to the other student group, instructors, Project Director, LCC representative and other invited guests (e.g. family members, local agricultural producers).	8/07	Students will gain experience on their presentation skills
Coordinate transfer of students to Freshman Experience (life and study skills instruction provided by NMHU Student Services) prior to start semester.	8/07	Seamless transition of responsibility

From student participants identify (in consultation with participating faculty) several outstanding students.	August 2007	•	List of three to four students that will be eligible for the student scholarship
Identified students will submit application form to the Project Director, and will include a copy of transcripts and a one page essay indicating their academic goals and career goals in the agricultural sciences.	August 2007	•	Student applications
Evaluation committee will review and evaluate applications and make final selection.	September 2007	•	Student selection
Offer selected student full scholarship to begin attendance at NMHU.	September 2007	•	Enrollment of student at NMHU
Project Director will continue to mentor scholarship student throughout his/her academic career.		•	Insure student success





