

UNIVERSITY OF GUAM
Cooperative Extension Service

FY2005-2006
Plan of Work Update

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The University of Guam Cooperative Extension Service (UoG-CES), as part of the nationwide Cooperative Extension System, is partnered with the U.S. Department of Agriculture, and the Territory of Guam to serve as the major land grant extension outreach component of the university. Our mission "enables the multicultural community of Guam to make informed decisions through non-formal education programs based on research and identified local needs and to solve the problems and meet the challenges that face the People of Guam." UoG-CES delivers programs through its centrally located offices on the campus of the University of Guam, employing over 19 extension professional and para-professional, staff, and administrators. The core program areas are in the areas of economic community systems, family, 4-H, food and nutrition, and agriculture and natural resources.

UoG-CES will continue to address the five goals as outlined in the FY 2000-2004 Plan of Work by continuing to: invigorate Guam agriculture with research-based knowledge and marketing strategies; strive for safety and security in the Guam food and fiber system; improve the nutritional and lifestyle habits of the indigenous Chamorro people and Guamanians and reduce the risks of chronic disease; promote natural resource development along sustainability awareness and practices, and; create and foster positive models for youth development and economic growth on both individual and community levels.

The University of Guam recently reorganized as part of the institutional-wide reshaping initiatives creating 3 new colleges and establishes a University and Community Engagement (UCE) Office headed by a Vice President. This resulted in the placement of the Cooperative Extension Service under the auspices of the UCE University Extension and Urban Outreach. The UCE Vice President, Dr. Jeff D.T. Barcinas, also serves as the University of Guam Cooperative Extension Service Director. This transformation from a college-based extension (latter College of Agriculture and Life Sciences to the new College of Natural and Applied Sciences) to a University wide and community engagement setting is the new commitment by the current administration for Extension and urban outreach programming.

During this period, UoG-CES also reorganized its structure into three core program areas:

- 1 Economic and Community Systems (ECS)
2. Families, 4H, Food, and Nutrition (F4HFN)
3. Agriculture and Natural Resources (ANR)

Three program areas serve as the facilitating core for the University of Guam Cooperative Extension Service (UOG-CES). This reflects the transitional phase of Extension's traditional programming context with the much-needed alignment towards based-programming and national initiatives. The planned program areas reflect the critical need (identified by stakeholders) and align well with each of the identified AREERA goals.

Stakeholder Input.

The University of Guam Cooperative Extension Service conducted a Stakeholder Retreat on February 23rd, 2004. This represents the latest round of gathering stakeholder input conducted during the transitory period of the University reorganization.

This process supports similar concerns and issues supporting the 2000-2004 Plan of work. Participants include:

- Extension Panel Advisory groups
- Island Residents
- Nongovernmental Organizations (NGOs)
- Farmers
- Government Agencies
- Teachers
- Fishermen Cooperative
- Mayor's Council
- Students

The following tables detail UoG-CES's projected FY2005-2006 budget and FTEs allotted to each national goal. The figures are based on FY2004 federal and state match funds, which are also listed. UoG-CES anticipates both funding and FTEs to remain constant in each goal area.

Goal 1

Through research and education, empower the agricultural system with knowledge that will improve competitiveness in domestic production, processing and marketing

Program Profile:

There is a need for constant and continuous advancement in agricultural practices due to the dynamic nature of agriculture. Every year one or more new pest or disease organism is introduced to Guam and impacts commercial and artisanal agriculture. Periodic natural disasters and economic fluctuations often cause a shift in the needs of the clientele. New advances in agricultural technology can enhance the progress of agriculture in Guam. These advances must be disseminated to the agricultural community and the general public.

The need for the extension Agriculture program support is driven by Agriculture clientele questions. Examples of these questions include:

- *What is wrong with my plant?*
- *Why is my betel nut tree dying?*
- *How can I reduce feed costs?*
- *How can I get cheap sun hemp seed?*
- *How can I improve profitability?*
- *What other kinds of fish can I grow?*
- *Can I produce shrimp and chicken eggs in my backyard?*
- *What kind of weed is this?*

There are no changes from FY 2000-2004 Plan of Work Update.

		FY 2004	FY 2005	FY 2006
Goal 1	Federal	\$273,022	\$273,022	\$273,022
	State match	\$221,286	\$221,286	\$221,286
	FTE	5.0	5.0	5.0

Goal 2

A safe and secure food and fiber system. To ensure an adequate food and fiber supply and food safety through improved science based detection, surveillance, prevention, and education.

Program Profile:

Guam is a tropical island with a population of just over 150,000 people. According to the Department of Public Health Service of Guam, every year at least 50 outbreaks and 150 cases of the food-borne diseases are reported from the Guam Public Health Department. The frequency of food-borne illness on Guam is much higher than that in the U.S. mainland. More than 60% of food-borne illness occurring on Guam is in private homes. Stakeholders at the meeting of February 23, 2004 stated non-proper food handling of raw foods and cooking is one major food safety issue on facing the Guam communities. Lack of food safety knowledge and poor food handling practice are the major reasons for the high rate of food-borne illness on Guam.

There are no changes from FY 2000-2004 Plan of Work Update.

	FY 2004	FY 2005	FY 2006
Goal 2 Federal	\$23,152	\$23,152	\$23,152
State match	\$18,765	\$18,765	\$18,765
FTE	0.50	0.5	0.5

Goal 3

A healthy, well-nourished population. Through research and education on nutrition and development of more nutritious foods, enable people to make health promoting choices.

Program Profile:

According to recent data from the Guam Department of Public Health and Social Services (DPHSS)–Vital Statistics Office, six out of the ten leading causes of death on Guam are preventable by lifestyle habits, especially diet and exercise. Research

studies, such as the Guam Youth Risk Behavior Survey, observed that Guam’s youth consume sub-optimal diets and are not physically active. Adults on Guam don’t do much better when it comes to diet and lifestyle, as seen in the Guam Behavior Risk Factor Survey (conducted by the Guam DPHSS). Given the statistics, there is a definite need for education and outreach in nutrition, fitness, general health, and chronic disease prevention.

There are no changes from FY 2000-2004 Plan of Work Update.

	FY 2004	FY 2005	FY 2006
Goal 3 Federal	\$211,681	\$211,681	\$211,681
State match	\$124,501	\$124,501	\$124,501
FTE	3.50	3.50	3.50

Goal 4

Greater harmony between agriculture and the environment. Enhance the quality of the environment through better understanding of and building on agriculture's and forestry's complex links with soil, water, air, and biotic resources.

Program profile:

Soil quality has degraded to an alarming stage in most regions of Guam. The hot, humid, tropical climate causes rapid decomposition thus depleting the organic content of soils. In Southern Guam, where most rangelands are located, the soils are requiring the use of composting to help build good soil texture, structure and qualities as a mitigation measure. Also, accelerated erosion is evident during typhoons, tropical storms and remains the biggest challenge facing the island community. Forestry and conservation efforts are some of the ongoing efforts to prevent any further degradation of the soil and water resources on Guam.

Storm runoffs and leaching of contaminants into the island’s aquifer also presents unique challenges for the island’s water quality and impacts to the coastal reef bio-systems.

These challenges require continued support, research, and proactive environmental stewardship. Activities such as watershed restoration, maintenance, and increased community based forestry programs are necessary to help address this issue.

No changes from FY 2000-2004 Plan of Work Update.

		FY 2004	FY 2005	FY 2006
Goal 4	Federal	\$167,770	\$167,770	\$167,770
	State match	\$ 91,541	\$ 91,541	\$ 91,541
	FTE	1.50	1.50	1.50

Goal 5

Enhanced economic opportunity and quality of life for Americans. Empower people and communities, through research-based information and education, to address economic and social challenges facing our youth, families, and communities.

Program Profiles:

The increasing rate of high school dropout and gang activities, increasing number of families in financial distress, increasing number of reported cases of abuse of children and dependant adult, increasing rate of sexually transmitted diseases, and decreasing of cultural understanding are issues that children, youth and families encounter daily. This plan of work serves to provide training in life skills that empowers clientele to become self-directed in areas of health, head, heart, and hands, primarily in Life Skills development.

Emphasis on community development services continues to be a high priority. The need for technical support in needs assessments, strategic planning and data collection and analysis for program planning continues to be in demand by agencies, nongovernmental organizations and communities.

There are no changes from FY 2000-2004 Plan of Work Update.

	FY 2004	FY 2005	FY 2006
Goal 5 Federal	\$372,303	\$372,303	\$372,303
State match	\$308,755	\$308,755	\$308,755
FTE	5.0	5.0	5.0