

**UHCC December 2007 Coversheet –
Annual Instructional Program Review**

College: Hawaii Community College

Program: Agriculture

Check All Credentials Offered	AA	AS	ATS	AAS	CA	CC	COM	ASC	
				X	X	C			

College Mission Statement: Hawaii Community College promotes student learning by embracing our unique Hawaii Island culture and inspiring growth in the spirit of “*E ‘imi Pono.*”

Program Mission Statement: The mission of the Agriculture Program is to provide curricula to prepare students for employment in the fields of agriculture, landscaping, and entrepreneurship and to maximize the potential of the individual to fulfill their personal and career goals. This will be accomplished through course work and experiences that develop their skills and abilities to meet the needs and requirements of a productive society.

OVERALL PROGRAM HEALTH (Check one)		
Healthy	Cautionary	Unhealthy
	X	

Part II. Analysis of the Program (strengths and weaknesses in terms of demand, efficiency, and effectiveness based on an analysis of the data)

An analysis of the Occupational Demands for Agriculture indicates that there is a demand of 109 positions per year for new and replacement positions in the County of Hawaii and 1064 for the State of Hawaii from 2004 to 2007. This does not include individuals who are planning to start their own businesses or individuals who plan to work in the landscape industry. This is an encouraging figure indicating a demand for workers in the field of agriculture.

This demand does not reflect our current number of major which has decreased from 48 in 2004-05 to 11 in 2006-07 and the decrease of student semester hours for program majors in program classes.

The student semester hours for non-program majors in all programs have almost doubled in 2005-07 when compared with the two prior time periods. Also, student semester hours in all program classes appear to vacillate from year to year. This may be due the two-year cycle of course offerings.

The data which is disturbing is the FTE Program enrollment which ranges from 4.6 in 2004-05 to 4.07 in 2006-07. Also the Average class size and Class fill rate are

disturbing low.

The demand for agricultural workers and the student enrollment are not synchronized. The demand for the Agriculture Program is Cautionary or Unhealthy.

As stated above, the average class size and class fill rate are very low. The Student/Faculty ratio and the number of Majors per FTE faculty are satisfactory.

The Program Budget Allocation from 2005-2007 range from \$35,283.10 to \$40,912. This reflects a student cost of \$511.35 for 2004-05; \$852.33 for 2005-06; and \$579.35 for 2006-07.

When reviewing the classes that enroll less than ten students, all but one class fell into that category.

The data which is encouraging is the awarding of two certificates. Two certificates of completion and a certificate of achievement are available for students who do not wish to pursue further education. The awarding of certificates in the Agriculture Program was uncommon in the past.

The data appears to indicate that the efficiency of the Agriculture is either Cautionary or Unhealthy.

Assumptions can be surmise from the data:

- There is a demand for agriculture workers
- Students who are listed as majors are not enrolling in classes
- Certificates may allow for more students to achieve their goals

Significant Program Actions (new certificates, stop-out; gain/loss of positions, results of prior year's action plan)

Creation of two certificates of completion
Revision of the curriculum.

Part III. Action Plan

1. Create a recruiting plan to increase enrollment
2. Explore the possibility of offering courses annually again
3. Articulate with other baccalaureate granting colleges

The program will continue to work with Department of Hawaiian Home Lands to construct an affordable residential home on Hawaiian Home Lands for a qualified Hawaiian applicant.

Part IV. Resource Implications (physical, human, financial)

The Agriculture Program manages its budget and resources carefully. In order for it to continue fulfilling its mission, the following are required new resources are

needed:

1. Replacement of a 1981 pickup truck, \$45,000
Our primary truck is over 25 years old, and it is requiring more money each year to maintain. Replacement parts for the vehicle are becoming more difficult to find.
2. Upgrading the existing shade house by providing electrical power to the shade house \$2,500
3. Replace mildew damaged equipment by replacing of two of ten compound and dissecting scopes originally purchased in 1981 \$5,600
4. Purchase of a soil sterilizer cart to replace the present sterilizer which was purchased to sterilize orchid potting media; UHH CAFNRM is presently using all of the carts and none are available for our use. Using the present sterilizer requires three days to accomplish the same task as the equipment requested. \$6000
5. The hiring of faculty/staff for the agriculture program \$61,112

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