

SOUTHERN UTAH UNIVERSITY
Agriculture and Nutrition Science Department
Academic Outcomes Assessment Report
Academic Year 2005-2006

Expanded Statement of Institutional Purpose

The Agriculture and Nutrition Science Department (AGNS) reflects the mission of the College of Science and is consistent with the mission, vision and goals of the university. The department consists of two programs (agriculture and nutrition), each with its own discipline-specific mission and goals. The composite mission of the department is to provide students with excellent classroom, laboratory and field experiences leading to certificates, associates and baccalaureate degrees in their chosen field of study. The department is also engaged in related scholarship of application and extensive service activities. Through well-educated, professionally qualified faculty and staff, excellent physical resources (classes and labs) and generous experiential learning opportunities, the department can demonstrate how its mission embraces the five university mission items that “provide students a personalized learning environment to foster meaningful experiences involving the mind, heart and hands.”

<u>Mission Statement for Agriculture</u>	<u>Intended Outcomes/Objectives</u>	<u>Assessment Criteria and Activities</u>	<u>Results and Summary of Assessment</u>	<u>Use of Results</u>
<p>The agriculture program (AGSC) offers all students the opportunity to understand the discipline of agriculture as an applied science and a model for the principles of bioeconomics. The program is to be closely allied to the concept of service to the agricultural community. Recognizing the diversity of agriculture, faculty will continue to articulate partnerships with colleagues and programs across the university campus. The agriculture program will demonstrate teaching excellence by maintaining a faculty of well-educated and experienced agriculturalists. AGSC will promote a strong hands-on structured learning atmosphere and provide opportunities for students to gain practical experience and engage in independent scholarly inquiry.</p> <p>Goals Statement</p> <ol style="list-style-type: none"> Through a broad offering of one, two and four-year programs, the agriculture program will prepare students for one of a number of careers in agricultural science and industry, farm and ranch management, and related public or private service. The program will prepare students to pursue advanced degrees or admission to a professional school upon completion of their work at SUU. 	<ol style="list-style-type: none"> Students will demonstrate knowledge and applications-based competency in their particular certificate program, degree and emphasis (i.e., Certificate in Livestock Farm Management; AAS in Livestock Farm Management; BIS in Agricultural Science and Industry with an emphasis in agribusiness, animal science, plant science, or general agriculture; pre-veterinary studies). Students will use scientific methodology; employ critical thinking skills; apply appropriate tools/methods/theories to address problems and, carry out investigations as a means to understand the challenges of providing food, fiber, by-products, and recreational opportunities to others. Students will communicate effectively using terminology appropriate to the discipline and understand the role of leadership in the field of agriculture. 	<p>Assessment criteria and activities that are aligned with specific outcomes and objectives are listed below.</p> <ol style="list-style-type: none"> By graduation, students will be required to receive a passing grade of C- or better in all courses applied to program completion based on assessment measures applied to each course. Course embedded activities and co-requisite labs will enable students to demonstrate their competency in applications appropriate to each course. Several agriculture classes have laboratories or are lab intensive courses. Labs are co-requisites to lectures and involve student projects requiring them to gather data, analyze results, and reach reasonable conclusions in order to satisfy course requirements. <ol style="list-style-type: none"> Interested students may engage in independent undergraduate research, directed studies, and/or experiential learning activities, such as internships and practicums. Several theories, protocols, and standard practices will be applied and reinforced through hands-on applications. At least one course at each level requires a significant writing component. <ol style="list-style-type: none"> Several laboratory courses require written and oral reports, and abstracts. 	<ol style="list-style-type: none"> Seven AGSC majors did not meet the requirement of a passing grade of C- or better. <ol style="list-style-type: none"> All laboratory classes are numbered and graded separately from co-requisite lectures. Scientific protocols are integrated into several classes and laboratories and students continue to “grow” undergraduate research projects from them. Three students worked on undergraduate research projects with AGSC faculty; 28 students completed internships/practicum for credit. The university farm has been used extensively for hands-on learning. Agriculture undergraduate research projects, internships, structured labs and several class projects use the SUU farm resource. a,b,c. At least one course at every level requires a writing element as a graded component. Preceptorships have been added to the general education animal science course 	<ol style="list-style-type: none"> No inordinately high. Faculty will work individually with students who are struggling in classes. <ol style="list-style-type: none"> Continue the process. No adjustments required at this time. Encourage increased participation in independent scholarly work by undergraduates. Continue to encourage students to participate in internships/practicum. Continue the process. a, b, c. Continue the process.

Mission Statement for Agriculture

Intended Outcomes/Objectives

Assessment Criteria and Activities

Results and Summary of Assessment

Use of Results

- | | | | |
|---|--|--|---|
| <p>4. Students will express satisfaction with their learning experience and be well prepared for post-graduation plans and opportunities.</p> | <p>c. Student directed study projects and undergraduate research projects require an oral presentation before an audience of faculty, staff, and peers.
d. Students will be provided opportunities to develop and demonstrate communication and leadership abilities as a structured curricular component.</p> <p>4.a. The exit survey will indicate that at least 75% of graduating students will agree that the quality, availability and diversity of class and lab offerings were appropriate.
b. At least 75% of graduating students will agree that they are well prepared for post-graduation plans.
c. Students will rate those courses that (in their opinion) best serve AGSC program goals stated under that section of this document..
d. At least 75% of students who actively seek employment in the field will have jobs within 6 months of graduation.
e. An active advisory committee will favorably evaluate curriculum, resources and pertinent experiences in preparing students for employment or further study in the field. In addition, the committee will articulate with other agriculture-related planning efforts conducted by the university.</p> | <p>which also requires a written report using a scientific format. Students are required to present their undergraduate research projects.
d. All AGSC students participated in AGSC 1990 (Agriculture Leadership).</p> <p>4. a. Quality of courses: 78%;
Availability (time): 94%;
Availability (not full): 89%;
Quality of labs: 100%
b. This question was inadvertently removed from the questionnaire so no data is available.
c. Student rating of agriculture courses: 4.54 (88%)
d. As of June 29, 2006 all graduates who actively sought employment are working in employment related to their course of study.
e. The advisory committee met regularly and provided input into program direction.</p> | <p>d. Continue the process. Ensure that numerous leadership and service opportunities are available for students through departmental activities.</p> <p>4. a. All responses exceeded target. Quality of course may be addressed in an effort to raise the percent. May want to increase target to 80%.
b. Add question back to questionnaire.
c. Continue the process.
d. Continue to track students. Establish official channels for notify students of employment opportunity.</p> |
|---|--|--|---|

Mission Statement for Nutrition

Recognizing the critical role of nutrition to all human endeavors, the mission of the nutrition program (NFS) is to provide sound, science-based principles, theories and applications to students who's personal or professional interests embrace the discipline. The nutrition program at SUU prepares students for a number of related careers or entrance into a graduate program upon degree completion at SUU. Additionally, the NFS program promotes wellness by offering a minor and support courses to compliment a variety of other disciplines, especially those related to health and human services, and athletics. The program demonstrates dedication of outstanding teaching by maintaining a faculty of well-educated, professionally qualified professor-practitioners.

Goals Statement

1. The goal of the nutrition program at SUU is to prepare students for a number of related careers or entrance into a graduate program upon degree completion.
2. The intent of the program is to foster a broad understanding of the science of nutrition as it is integrated into all human pursuits.
3. As a reply to growing demand and increased interest, the Agriculture and Nutrition Science department and the nutrition program will explore further development of an American Dietetic Association compliant degree.

Intended Outcomes/Objectives

1. Students will demonstrate their knowledge mastery of the discipline (i.e., nutrition and food sciences) at a level appropriate to the offering.
2. Students will be satisfied with the learning experiences provided them by the program.
3. Students will recognize and be prepared for numerous opportunities afforded them professionally or to pursue further study at a level appropriate to the offering.

Assessment Criteria and Activities

1. NFS students will pass their NFS classes with a minimum grade of C, as evaluated by assessment measures within each course. NFS courses will include activities that enable students to demonstrate a reasonable level of proficiency in the skills they have learned.
 - 2.a. At least 80% of graduating students will agree with the statement, "The quality, availability, and diversity of NFS-related course offerings and lab experiences in my degree program were appropriate."
 - b. At least 70% of graduating students will give a rating of "Above Average" or "Excellent" to a selection of key NFS courses.
3. At least 80% of graduating students will agree with the statement, "I feel that NFS components of my program have well prepared me for post-graduation plans."

Results and Summary of Assessment

1. All NFS majors passed all NFS classes with a grade of at least a C. Continue the process. No action required.
2. a. 100% of graduating students agreed that the quality NFS class was appropriate; 94% of graduation students agreed that the availability (time of day offered) of NFS course offerings was appropriate; 82% of graduating students agreed that the availability (classes not full) of course offerings was appropriate; 86% of graduating students agreed that the diversity of course offerings was appropriate.
 - b. 86% percent of graduating students gave a rating of "above average" or "excellent" to their NFS courses. [14% gave a rating of "average"; no student rated any class as "below average" or "poor."
3. a. 100% of graduating students agreed that the NFS component of their degree prepared them well for post-graduate plans.
 - b. Since the separation of NFS courses from the Family and Consumer Sciences program, no advisory committee meetings have been held because there is not an NFS advisory board.

Use of Results

1. Continue the process. No action or adjustments required.
2. a. Exceeds the criterion. Continue the process. No action or adjustments required.
 - b. Exceeds the criterion. Continue the process. No action or adjustment needed.
3. a. Exceeds the criterion. Continue the process. No action or adjustment needed.
 - b. As soon as a nutrition major is approved an advisory board will be established.