

Student Learning Outcome 1	
FOR 1 Sound Judgement in Use of Forest Ecology	
Mandated Standards	
Outcome 1: Assessment Measure 1	
Class:	NRE 282 Dendrology
Course Mode:	Face-to-Face
Assignment:	Knowledge of Tree identification and taxonomic names in the field. 12 quizzes in tree identification of 10 trees each, rubric scoring based on variable points for scientific name, Family name, common name,
Evaluation Tool:	Quiz key and photos. Each question worth 10% on a quiz, so less than 1% each for all quizzes.
Performance Target:	60% of quizzes will score 70% or higher
Results:	
Use of Results:	
Outcome 1: Assessment Measure 2	
Class:	NRE379 Forest Ecology, NRE 379 Forest Ecology
Course Mode:	Face-to-Face
Assignment:	Final exam - Understanding of ecological concepts and principles including the structure and function of ecosystems, plant and animal communities, competition, diversity, population dynamics, succession,
Evaluation Tool:	Exam key with each question worth 2-3%
Performance Target:	80% of exams will score 70% or higher
Results:	
Use of Results:	

Student Learning Outcome 2	
FOR-2. Capability of Measuring Forest Resources	
Mandated Standards	
Outcome 2: Assessment Measure 1	
Class:	NRE 371 Forest Mensuration and Lab
Course Mode:	Face-to-Face
Assignment:	Final exam: Ability to identify and measure land areas and measure tree and forest wood volumes.
Evaluation Tool:	exam key, each question is worth 2-5 points
Performance Target:	80% of exams will score 70% proficiency or higher
Results:	
Use of Results:	
Outcome 2: Assessment Measure 2	
Class:	NRE 497 Forest Ecological Management Project (Capstone)
Course Mode:	face-to-Face
Assignment:	Capstone Forest Plan: Ability to analyze inventory data and project future forest, stand and tree conditions
Evaluation Tool:	Rubric for scoring the Forest Plan. Two criteria to be evaluated: Ability to analyze inventory data and project future forest, stand and tree conditions. Each criterion evaluated from 0-100 point scale
Performance Target:	90% of the plans will score 70% or higher
Results:	
Use of Results:	

Student Learning Outcome 3	
Ability to analyze the economic, environmental, and social consequences of forest resource management strategies and decisions.	
Mandated Standards	
Outcome 3: Assessment Measure 1	
Class:	NRE 497 Forest Ecological Management Project
Course Mode:	Face-to-Face
Assignment:	Forest Plan: Ability to develop and apply silvicultural prescriptions appropriate to management objectives, including methods of establishing and influencing the composition, growth, and quality of
Evaluation Tool:	Rubric of Forest Plan
Performance Target:	80% of plans submitted will score 70% or higher
Results:	
Use of Results:	
Outcome 3: Assessment Measure 2	
Class:	NRE 497 Forest Ecological Management Project
Course Mode:	face-to-Face
Assignment:	Comprehensive Exam on 4 SLOs: Forest ecology, measurement, management, and economics.
Evaluation Tool:	Exam (Oral Comprehensive from written questions), Follow up questions orally and/or in writing. Critical thinking skills
Performance Target:	80% of exams will score 70% higher
Results:	
Use of Results:	

Program Outcome 1	
Raise Rates for Recruitment ,Retention, Graduation	
Assessment Measure:	To increase and retain the number of quality students in FEWP, stabilize graduation rate, and help students and graduates find employment in line with their career goals.
Assessment Target:	recruit 25+ freshmen students into the forestry degree/year b. retain at least 50% of freshmen, 75% of sophomores and 90% of juniors, c. graduate 10+ students/year, d. 95%+ employment of graduates
Assessment Results:	
Use of Results:	
Program Outcome 2	
Faculty Excellence in Research	
Assessment Measure:	Presentations, manuscripts, abstracts, presentations at scientific meetings. Grants acquired and/or managed.
Assessment Target:	Targets are for faculty members: a. 2 publications and/or presentations per year, b. 2 grant proposals and/or grants managed per year. To develop a nationally recognized research program in the forestry, ecological and wildlife disciplines and contribute substantially
Assessment Results:	
Use of Results:	

***Evidence of Improvements Implemented for Performance Targets Not Met in 2018-19
for the Forestry Program***

Student Learning Outcome 1: Assessment Measure 1

Course: NRE 282 Dendrology

Evaluation Tools: Knowledge of Tree identification and taxonomic names in the field. 12 quizzes in tree identification of 10 trees each, rubric scoring based on variable points for scientific name, Family name, common name, correct identification

Performance Target: 60% of quizzes will score 70% or higher

Performance Results: 50% of quizzes will score 70% or higher

Evidence of Improvements Implemented:

Hired two student bi-weeklies students to tutor students

Program Outcome 2: Raise Rates for Recruitment ,Retention, Graduation

Assessment Measures: To increase and retain the number of quality students in FEWP, stabilize graduation rate, and help students and graduates find employment in line with their career goals.

Assessment Target: recruit 25+ freshmen students into the forestry degree/year b. retain at least 50% of freshmen, 75% of sophomores and 90% of juniors, c. graduate 10+ students/year, d. 95%+ employment of graduates.

Assessment Results: Recruited 22 freshmen. Retained 12, so 50% retention goal met. However, only 70% of sophomores retained. Supplemented loss with transfer students. All juniors rising to seniors next year, so far.

Use of Results: Continue recruitment and retention efforts like summer apprenticeship program, Forestry Club activities

Evidence of Improvements Implemented: Please see submitted recruitment committee report

Recruitment Committee Report – Spring, 2019

Incoming, Undeclared Majors

On Friday afternoons during the course of the semester, BES reached out, via telephone, to many students who had been offered admission to AAMU for Fall 2019 but had not yet declared a major. The Chair assigned two bi-weekly students to assist the Recruitment Coordinator for that purpose. The students reached were introduced to the program offerings in BES and invited to consider one of those options as a possible major. An average of 15 students was reached each week. Follow-up letters were sent within 10 days to each of the students reached and who had expressed some level of interest in BES programs.

ARD Conference

BES representative Dr. Christian was able to interact with a few potential students during the course of the March 29-April 3, 2019 conference. Much BES promotional material was distributed at the conference. As a consequence the 13- students (2 forestry, 6 Biology, 6 Environmental/Plant Science) who expressed some interest in BES programs were written to during the week of April 22, 2019 following the conference.

Open House:

BES was represented at the AAMU Open House at the Elmore GYM on Saturday April 6, 2019 by Drs. Weems, Yang, Stone and Christian and one FEWP student. There was much interaction with prospective students and their parents/guardians. A total of 43 students were kind enough to share their contact information with the team. During the week of April 8, 2019 these individuals were sent follow-up and thank you notes.

Forestry Fair

This event, a collaborative effort between FEWP and the US Forest Service, was held at the Agribition Center on Tuesday, April 9, 2019. Participants from --- elementary schools and ---middle schools in the Huntsville catchment participated. The participating students and their teachers were introduced to several fun and educational forestry-related events such as forest fire-management, forest watershed management demonstration, wildlife identification, etc.

Transfer Students

Transfer students are becoming an important part of the CALNS' student population, more so in FEWP. BES was well represented (Drs. Moss, Christian, Mentreddy, Weems) at consultations held between the Dean's Office and representatives of Calhoun Community College on Monday, *April 8, 2019* and Tuesday *April 9* with Drake State Community and Technical College. BES' representatives to Drake consisted of Drs. Christian and Lemke. The overall goal of the consultations was to explore opportunities for facilitating and formalizing a seamless transfer from Calhoun to CALNS. More specifically the consultation sought to (i) for CLANS to introduce Calhoun's representatives of the CALNS program areas which could accommodate Calhoun graduates, (ii) for Calhoun officials to share the specifics of their programs which may be aligned to graduate programs at AAMU; (iii) jointly identify issues, challenges and adjustments that may be necessary to facilitate seamless transfer from Calhoun to AAMU.

College Transfer Day

BES was represented at College Transfer Day on *April 9, 2019* at Knight Center. This activity was organized by the Office of Community Relations and Global Initiatives. Very limited information was available about the format and agenda for the event. Consequently, although BES display was set-up the event was over by the noon proposed start of interaction with visitors.

AAMU Day at Lawson State

At the invitation of the Community Relations and Global Initiatives Unit BES (Dr. Christian) joined other colleagues from the university on recruitment trip to Lawson State on Thursday, *April 18, 2019*. The trip was not very rewarding because very few students came through the set-up area.

NACEE Mentor/Mentee Conference

On Saturday, April 27, 2019, BES, represented by Drs. Christian and Stone, participated in a morning Conference organized by NACEE. The goal of the conference was to provide an opportunity for current high school students to be introduced to the range of academic programs offered in CALNS, for students to gain an insight into potential career paths, and to learn about the major requirements for successful careers. Approximately 32 students, some accompanied by their parents and teachers, attended the 2-hour Conference held on the AAMU campus. Six students (3 biology and 3 forestry) participants indicated an interest in BES academic programs. Follow-up email messages were sent to all six students during the week of April 29.

Visit to Toyota's Huntsville Plant

Dr. Stone, accompanied by a graduate student, made two brief presentations to employees at the plant during April 2019.

EPES Summer Camp

Dr. Naka, supported by one current graduate student and a couple recent FEWP graduates, was able to participate in this year's summer camp for elementary and high school students. The camp was held at Epes, AL. This was another excellent forum for exposing and introducing students to basic forestry concepts and principles.

Summer Apprenticeship Program 2019

In July 2019 a total of approximately 17 current AAMU students and incoming students, representing all the Departments in CALNS participated in this year's four-week Apprenticeship Program. These students were joined by four NACEE students. Because of the diverse interests of participating students a couple mentors from outside of FEWP were identified to support and guide some of the participants. Every members of FEWP faculty team as well as a couple staff members contributed to the success of this year's program. As usual, the technical and financial support and collaboration of the US Forest Service was much appreciated. The additional financial support received from the ARD through Dean Walker's offices contributed much to the overall success of the program this year.