

# Assessment: Assessment Plan

## Degree Program - CASNR - Food Science (BS)

**CIP Code:** 01.1001.00

**Disciplinary Accrediting Body:** none

**Degree Program Coordinator:** Jerrad Legako

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**Program Purpose Statement:** The College of Agriculture and Science and Natural Resources is dedicated to providing programs of excellence in teaching, research and outreach. These educational programs are designed to prepare the student for the dynamic agricultural and renewable natural resources industry- an industry that encompasses five closely related segments: (1) producing agricultural products; (2) supplying agricultural chemical, feed, seed, and other production resources; (3) processing, storing, distributing, and other marketing functions for agricultural products; (4) planning and managing programs for renewable natural resources; and (5) providing technical assistance financing, services, education, research, and communications in all sectors of the food, feed, fiber, and natural resource complex.

**Modality:** Face-to-Face

### Student Learning Outcome: Knowledge of Food Science

Students will demonstrate a comprehensive understanding of food science.

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/24/2015

#### Assessment Methods

**Post-Test** - Pre- and Post Exam (Active)

**Criterion:** Graduating FDSC students will score 30% higher on an exam based on required courses (FDSC 2300, FDSC 2302, FDSC 3301, FDSC 3302, FDSC 3305, FDSC 4303, FDSC 4304, FDSC 4306, FDSC 3303 and FDSC 3309), than students newly entering the degree program when they enroll in FDSC 2300.

**Schedule:** Evaluated annually after the Spring semester

**Performance** - Adjusted Texas Tech University G.P.A. (Active)

**Criterion:** At least 75% of graduating FDSC students will have a 2.5 or higher adjusted Texas Tech University G.P.A.

**Schedule:** Evaluated after the Spring the semester

### Student Learning Outcome: Critical Thinking Skills

Students will develop critical thinking skills.

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/24/2015

#### Assessment Methods

**Performance** - Comprehensive final exams (Active)

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**Criterion:** At least 70% of the students enrolled in FDSC 3301, 3302, 3305, 4303 must earn a letter grade of "C" or better on a comprehensive final exam.

**Schedule:** Evaluated after the Spring semester

## Course Level Assessment - Course grades (Active)

**Criterion:** At least 70% of the students enrolled in FDSC 3301, 3302, 3305, 4303 must earn a letter grade of "C" or better in the course.

**Schedule:** Evaluated after every Spring semester

## Student Learning Outcome: Experiential Learning

Students will engage in experiential learning activities and demonstrate skills to prepare them for future employment in agriculture.

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/24/2015

### Assessment Methods

#### Performance - Laboratory course grades (Active)

**Criterion:** At least 70% of the students enrolled in each laboratory course will earn a grade of 70% or greater in that specific laboratory course.

**Schedule:** Evaluated after every spring semester

#### Professional Development Activities - Evaluation by advisor (Active)

**Criterion:** At least 70% of all students will receive a score of 1 (outstanding) or 2 (good) by their internship, research, or activity advisor in the areas of professionalism, leadership, work ethic, responsibility, communication skills, problem-solving, and team work.

**Schedule:** Evaluated after every Spring semester

#### Student Exit Survey - Student exit survey (Active)

**Criterion:** At least 70% of graduating seniors have participated in at least two experiential learning activities during their college career.

**Schedule:** Evaluated after every Spring semester

## Student Learning Outcome: Preparation for career

Graduating FDSC students will leave TTU well prepared for their future careers.

**Outcome Status:** Active

**Outcome Type:** Student Learning

**Start Date:** 08/24/2015

### Assessment Methods

#### Capstone Assignment/Project - Final Resume (Active)

**Criterion:** Students will have a resume that scores 80 or higher on a 100 point scale in the semester they graduate.

**Schedule:** Evaluated after every Spring semester

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## Survey - Alumni - Alumni Survey (Active)

**Criterion:** At least 80% of former students (5-10 years post graduation) who respond will indicate that their time at TTU prepared them well for their careers.

**Schedule:** Every 3 years in the fall