

Uintah High School  
AGRICULTURAL SCIENCES DEPARTMENT  
2023-2024 COURSE DESCRIPTIONS

**BIOLOGY IN AGRICULTURAL SCIENCE (primarily for students interested in agricultural sciences and the National FFA Organization)**

**9-12<sup>TH</sup> Grades. Two Trimesters (students must enroll in both part A and part B).**

**Science Credit Prerequisite: FFA membership or instructor approval.**

Primarily for students in the Agricultural science pathways and FFA members. A fun way to learn biology and earn science credit through labs and activities. The course will explore subjects of cells, genetics, DNA, biotechnology, evolution, animal and plant systems, and ecology. This course meets state requirements for core biology credit.

**PLANT AND SOIL SCIENCE I, USU PSC 1800**

**College Credit Available for students admitted to USU.**

**10 – 12<sup>TH</sup> GRADES Two Trimesters (students must enroll in both).**

**Elective Science Credit and Concurrent Enrollment USU PSC 1800 3 credits.**

**Prerequisite: Biology, FFA membership or instructor approval.**

Learn how to grow and manage plants for ornamental use. Students will learn plant structure, plant growth, reproduction, pest management, and management practices. Students will use the school greenhouse in producing plant crops for market. FFA and SAE record keeping are included. An ideal class for FFA members and those interested.

**FLORICULTURE**

**9 - 12<sup>th</sup> graders. One Trimester**

**CTE or Elective Credit. Maximum of 25 students in the class**

Learn to make floral arrangements and manage floral plants! An exciting, hands-on course that exposes students to operations and management of greenhouse and floral plants. Subjects of floral plant identification, floral design, floral plant care and floral management are addressed. FFA and SAE record keeping are included. Floral arrangements will be made in the class for the students to take home.

**Greenhouse Management**

**9 - 12<sup>th</sup> graders. One Trimester**

**CTE or Elective Credit. Maximum of 25 students in the class**

Learn to operate a greenhouse and produce plants! An exciting, hands-on course that exposes students to operations and management of greenhouse and floral plants. This course helps to prepare students to produce commercial plant species in a controlled environment. Skills needed for future employment in the rapidly growing and changing horticultural industry are taught. Units on FFA and SAE Record books are also covered.

**Advanced Floriculture**

**10-12<sup>th</sup> grade. One Trimester**

**CTE or Elective Credit. Maximum of 25 students in the class**

**Prerequisite: Floriculture I, and instructor approval.**

Students will continue to build upon floral design principals with an increased capacity in business management, advanced floral mechanics/structure, & advanced event planning (wedding, funeral, banquet, corporate event, etc.). Students will be able to demonstrate critical thinking and communication skills by interviewing, interpreting, planning, and implementing consumers requests with design work that's esthetically pleasing to the client.

## **ANIMAL SCIENCE ENTRY**

**10 - 12th graders. Two Trimesters (students must enroll in both).**

**Prerequisite: Successful Completion of Agriculture Biology, Biology, FFA membership or instructor approval.**

**CTE or Elective Science Credit.**

Learn about domestic animals in a fun and exciting way! Subjects such as animal terminology, selection, physiology, nutrition, reproduction, genetics, health and management issues will be studied. FFA and SAE record keeping are also covered. An ideal class for FFA members and those interested.

## **Agricultural Science I**

**9 - 12<sup>TH</sup> Grades. Two Trimesters (students must enroll in both)**

**Elective Science Credit Prerequisite: FFA membership or instructor approval.**

An exploration of the Agriculture industry. Students will develop knowledge and skills that will provide a foundation for courses in animal science, plant science, horticulture, and natural resources. Topics covered will be basic animal, plant, and soil science; natural resources; food science technology; agribusiness; personal and leadership development; and agricultural career awareness.

## **Vet Science Science**

**11-12<sup>th</sup> Grades. Two Trimesters (students must enroll in both)**

**Elective Science Credit Prerequisites: Completion of Biology and Animal Science**

This course provides the opportunity for students to explore different avenues of the veterinary profession. Students will be exposed to veterinary science and principles which include anatomy, physiology, chemistry, animal health and disease, dentistry and laboratory procedures. Students will provide hands-on care as they develop skills in the areas of surgical assisting, bandaging, wound care, oral care, and general nursing care.