



Course Overview

Course Description

Students will utilize experiential learning to focus on how plant and animal sciences play a crucial role in Biology. Emphasis will be on major biology components and how they relate to life. A Supervised Agricultural Experience (SAE) is required for all students. Students will participate in Future Farmers of America (FFA), where they will develop leadership and skills for career success. At Chandler High School, 11th and 12th grade students in this course may be eligible to participate in the IB Career-related Programme (IBCP).

AP/IB/Dual Enrollment

May be offered for Dual Credit/May be taken for biology credit/IBCP

Prerequisite/Fee(s)

There is no fee for this course.

Course Materials

3-ring Binder with paper (can be shared with other classes)
Writing Utensils - pencil or pen (black or blue ink only)

Course Attire: Students are responsible for the following

Subject to labs and activities

Adopted Resource(s)

Agriscience, Miller and Levine Biology (Savvas).

**An asterisk indicates a resource containing sexually explicit materials per legislative definitions. CUSD has determined that all the above resources are of exceptional educational value.*

Site and Faculty Information

School name and address:

Basha High School, 5990 S Val Vista Dr, Chandler, AZ 85249

Building principal:

Marques Reischl
reischl.marques@cusd80.com

Teacher:

Mrs. Sharon Metzger Bachelor of Science in Agriculture Education from UA; Master of Arts in Curriculum and Design from NAU
metzger.sharon@cusd80.com

Office hours: Hours will vary from week to week. Please email the instructor for availability.

Course Access

This course is taught in-person at Basha High School. Students will have access to the curriculum and instruction in the classroom. Google Classroom is the primary location for students to access material when absent from classes taught in person.

Equipment Usage Agreement:

Students will receive training for the proper use and care of all equipment. I understand that while my student uses school equipment, they are responsible for its care. If school equipment is damaged, lost, stolen, or destroyed under my student's care, I further understand that my student and I will be responsible for the replacement or cost of repair of the damaged equipment.

CTE Program Responsibilities:

Career & Technical Student Organization (CTSO)

Career & Technical Student Organizations (CTSOs) are co-curricular organizations that help enrich applied academics, communications, and teamwork. Students in CTE programs can participate in CTSO leadership activities and competitive events.

This program is aligned with the following CTSO: FFA.

Industry Credentials

CTE programs allow each student to earn an industry certification aligned to their CTE program area. This CTE program will offer the following industry credential(s) for all students by program completion:

This is a beginning-level course, which will lead to an industry credential(s) in the advanced course(s) within this program

Technical Skills Assessment (TSA)

Technical Skills Assessments (TSA) are an Arizona Department of Education high-stakes state assessment designed for each program area. The TSA is to certify and document student attainment of industry-validated knowledge and skills through online testing. The TSA is taken after the CTE program (year 2 or 3) of each program.

Non-Discrimination Clause/ Aviso de no discriminación

The non-discrimination clause can be accessed using the link or QR code (www.cusd80.com/Page/983)



Help

Academic Support

- Contact the teacher to schedule an appointment during office hours
- [Ed Tech](http://www.cusd80.com/Page/45109) support for students, parents/guardians, and community link ([cusd80.com/Page/45109](http://www.cusd80.com/Page/45109))

Mental Health Support

- CUSD mental health support [cusd80.com/Domain/10528](http://www.cusd80.com/Domain/10528) or 480-573-8808 (talk or text)
- Suicide & Crisis Lifeline: 9-8-8 hotline
- 24-hour Crisis Line Talk: 602-222-9444, Text: 741-741

Student Conduct, Success, and Responsibilities

Student Handbook

Students must follow the policies and procedures in the [Student Handbook](http://www.cusd80.com/Page/533). Copies of the handbook can be found at <https://www.cusd80.com/Page/533>, and printed copies will be provided upon request.

Student Responsibilities

To be successful

1. Be in class on time
2. Be prepared with all required supplies
3. Be courteous and respectful to everyone

Student Expectations

1. No inappropriate language or profanity
2. No food or drink (except water) in the classroom
3. No use of fragrant lotions, sprays, sanitizers

Late work

Assignments turned in late, but not due to absence(s) will be accepted, but points may be deducted.

This is not applicable to the Supervised Agricultural Experience Project (SAE) quarterly checks. The dues dates for the SAE project will be provided during the 1st quarter and are not accepted late.

Assessments and Assignments

Students will complete assessments during each unit of study to assess their understanding. Students will complete the CUSD Common Final at the end of the first and second semesters. The Common Final will count for 20% of the student's final semester grade in grades 9-12 and 10% in grades 7-8 (some exceptions may apply at the Junior High level). Common finals will be in ELA, Math, Science, Social Science, and World Language.

Final exams will be given during the CUSD Jr High/High School Early Dismissal days in December and May, as identified on the [District Calendar](#).

If students are requested to participate in a survey, the survey questions will be provided to parents/guardians seven days before student contact.

Grading

Grade Percentage

A	B	C	D	F
90% - 100%	80% - 89%	70% - 79%	60% - 69%	<60%

Quarter grades

This course consists of three components: Agriculture Instruction/Curriculum, Supervised Agriculture Experience, and the FFA.

1. Agriculture Instruction/Curriculum: Grades are not given, they are earned. Grades will be determined by the degree to which objectives are met, success is achieved, timeliness, neatness, and original work. As this is an advanced class, students are expected to keep up with the pace of the coursework. If you are struggling with the class, I am available for extra assistance during conferences and after school.

2. Supervised Agriculture Experience (SAE) Project: Students will be expected to design a SAE plan in the 1st quarter and implement it by the 2nd quarter. Students will keep an electronic record of this project and are expected to take photos of their project throughout the school year. It will be the responsibility of the student to keep accurate records throughout the school year and submit these records on time to the instructor.

3. FFA Leadership Grade: A major aspect of this course is the development of leadership skills, speaking abilities, teamwork and other various skills that will play a major role in every individual's career choice. Students are required to participate in the local FFA activities and have the opportunity to participate in the district, state and national FFA activities. This will count towards 20% of EACH semester's grade. Please refer to Semester FFA Calendar for specific dates.

Semester grades

Semester grades are calculated using 40/40/20: Each quarter accounts for 40% of the semester grade and the final exam accounts for the remaining 20%.

Units of study

Units for AGS200 Applied Biological Systems

**An asterisk will indicate a unit of study containing sexually explicit materials per legislative definitions.*

Ecology

FFA/SAE

Biochemistry

Photosynthesis
Respiration
Cells
Cell Transport
Cell Cycle and Division (Mitosis)
Chromosomes
Meiosis
Genetics
Evolution
Taxonomy
Classification

Signature Page - Please return this page to your student's teacher.



Chandler Unified School District

AGS200 Applied Biological Systems
SY 2024-25



Site: Basha High School

Building Principal: Marques Reischl, reischl.marques@cusd80.com

Teacher: Mrs. Sharon Metzger, metzger.sharon@cusd80.com

Parent/Guardian

Acknowledgment

Parents/Guardians must specify their approval by selecting "Acknowledge" or "Potential Conflict" for their student's involvement in the units of study. Please note students cannot decline participation in standards-based units. The teacher will reach out regarding options if "Potential Conflict" is selected.

Unit of study	Acknowledge	Potential Conflict
Ecology	<input type="checkbox"/>	<input type="checkbox"/>
FFA/SAE	<input type="checkbox"/>	<input type="checkbox"/>
Biochemistry	<input type="checkbox"/>	<input type="checkbox"/>
Photosynthesis	<input type="checkbox"/>	<input type="checkbox"/>
Respiration	<input type="checkbox"/>	<input type="checkbox"/>
Cells	<input type="checkbox"/>	<input type="checkbox"/>
Cell Transport	<input type="checkbox"/>	<input type="checkbox"/>
Cell Cycle and Division (Mitosis)	<input type="checkbox"/>	<input type="checkbox"/>
Chromosomes	<input type="checkbox"/>	<input type="checkbox"/>
Meiosis	<input type="checkbox"/>	<input type="checkbox"/>
Genetics	<input type="checkbox"/>	<input type="checkbox"/>
Evolution	<input type="checkbox"/>	<input type="checkbox"/>
Taxonomy	<input type="checkbox"/>	<input type="checkbox"/>
Classification	<input type="checkbox"/>	<input type="checkbox"/>

**An asterisk will indicate a unit of study containing sexually explicit materials per legislative definitions.*

By signing and returning this form, the parent/guardian acknowledges they have reviewed the resources and units of the study included in the syllabus.

- As the parent/guardian, I understand I may contact the teacher with questions on resources, content, or units of study at any time during the school year and view my student's grades in Infinite Campus.

Student name (printed)

Student signature

Parent/Guardian name (printed)

Parent Signature

Date

Please return this page to your student's teacher.