

Instructor: Sherry Crown **Room #:** 410 **Year:** 2022-2023

Course Name and Code: **Agribusiness and Management 01.41100**

Textbook Used: Several textbooks are used in course. Students may sign out or checkout the needed text at any time. Checkout list can be obtained from teacher. Books are not assigned to students.

Supplementary Texts or Special Materials: Most Powerpoints and assignments can be found on www.gaaged.org or www.classroom.google.org and www.FFA.org www.theaet.com Students will be shown in class how to access each site. Online textbook references can also be used from DOE Georgia Virtual Learning: <http://www.gavirtualllearning.org/Resources/SharedBasicAgriculture.aspx>

Course Description: This course is designed as the foundational course for all Agriculture, Food & Natural Resources Pathways. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course is the prerequisite for all AFNR pathways and is intended for students in grades 9-10.

Course Outline and Content:

Topics Covered:

Life processes as affected by biotechnology

Lap procedures related to biotechnology

Cellular biology

Genetic theory

Plant and animal genetics

Plant and animal reproduction

Plant and animal diseases and disease control

Genetic engineering of plants and animals

Biotechnology in the environment

Controversies with biotechnology

Major Course Projects

Illustrate the historical development of biotechnology through the ancient, classical and modern periods.

Follow the scientific method for research, document your results and protocol in a lab report.

Develop a model of plant and animal cells.

Predict heritability of a given trait.

Produce a contamination free tissue culture sample.

General Supplies & Materials: Three Ring Binder w/pockets OR pocketed folder with 3 hole binding OR Spiral Notebook with pockets, Notebook Paper, and a writing utensil are the MINIMUM items needed. It is advised that students also have a composition notebook/research log book, note cards, Pencil, FINE TIP Blue or Black Ink Pen, Calculator, Highlighter, 4GB Jump/Thumb drive (highly recommended), ear phones, and stylus to assist them stay organized. The most important part to supplies is having the supplies work for your student.

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Special Assignments and Projects:

Supervised Agricultural Experience (SAE)

Students are required to spend a minimum of 25 hours outside of the class per semester developing a Supervised Agricultural Experience Project (SAE PROJECT). This will account for 4 test grades for the semester and be turned in sections and graded. If the SAE project is not done, it is not mathematically possible to pass the course for the semester. There is no alternative assignment or work in lieu of SAE Project as this is one of the 3 components to Ag Education (Class, SAE, and FFA). SAE Projects will be discussed during the third week of school in greater depth. SAE information and rubrics are all found on Google Classroom. Due to the long range planning and due dates, projects must be turned in early or on due date. SAE will not be accepted for a late grade. There is no unit repair option for this course due to the project based nature of the course and the opportunity of using checkpoints for the SAE Project. Project topics must be approved by Mrs. Crown prior to the topic due date. Topic approval/disapproval is not a viable reason to excuse late submission for SAE Checkpoint Due Dates. Approval of SAE topic is written and in gradebook, but student must provide a Written and Detailed SAE Plan to receive signoff and gradebook noting. Research Projects must be completed with all science fair rules and expectations-a packet can be provided if research project is approved.

Information regarding class events, class messaging; reminders for assignments, tests, projects, etc. may be found on my teacher website, bulletin board, Google Classroom, and/or through Remind online. Students and parents are asked to use the www.Remind.com program which will allow me to send out text message reminders and other information throughout the year. To sign up to receive REMIND Basic Agricultural Science messages, please use CODE: @4b76aa4

Personal Development Program: Agriscience Education has 3 components all of equal importance: Classroom, SAE Project, and FFA. A leadership grade will also be entered for students as they gather points for activities done towards Ag Program that lead to personal growth, leadership, and career success. The assignment will be gone over in greater detail in class. Points will be earned and placed as a test grade for each semester. Activities in FFA help steer students to activities earning points for leadership.

Classroom Rules and Discipline Procedures: All students must adhere to the rules and expectations outlined in the Henry County Schools student handbook and the Union Grove High School student handbook addendum.

Expectations and Classroom Behavior:

The following are classroom instructions and expectations and if not followed can result in a 4 step and up to a office referral:

- Bring all materials to class each day. (notebook, paper, pen/pencil, charged computer, etc.)
- Upon arriving in the classroom, telephone, Apple Watch or other brand devices, such as watches, or electronic communication device, earbuds or any other must be placed in the caddy and students are expected to proceed to their assigned seat. Devices should be placed in a corresponding caddy pocket with student seat number.
- Use restrooms, get water, etc. during 5 minutes between classes. You may have to arrange locker & restroom breaks wisely. Please don't be late to class, as tardy's will result in 4-step and potentially ISS.
- Cell phones cannot be picked up out of caddy until the release bell sounds. Remain seated until the bell.
- Be respectful of your fellow classmates, teachers, other's property, and school property.
- During instruction, discussions, please do not talk on your own, share with the whole class, listen thoughtfully to all members of the class. Please be kind and respectful of each other's ideas, answers, and participation.
- Please get permission before approaching/handling animals or equipment/in the Ag Classroom or Greenhouse. Do YOUR best on assignments, turn them in on time, and ask questions. Work turned in must be turned in by or on the due date.
- Technology being used in class ONLY for assignments for Ag purposes as directed by the teacher participating in class.
- Speak up. I am interested in hearing from you.

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Lab/Classroom/Greenhouse Safety: Each student will receive instruction regarding safety and behavior appropriate for the laboratory environment, this includes the greenhouse. All students must sign a lab safety contract and adhere to its rules in order to participate in greenhouse or class lab activities. Only CLEAR bottled water (with a secure top) is allowed in the classroom. NO food or drink is allowed in the greenhouse. The greenhouse is an active lab at all times. Horseplay or improper care or use of tools can lead to discipline referral or 4 step. The classroom is considered an active lab site at all times and lab safety rules apply at all times. No food or water should be shared. The use of brushing hair, applying make-up in the classroom is not accepted behavior in the classroom.

Hall Pass Policy:

Students are required to utilize and wear around their neck the standard issued UGHS pass at all times while out of the classroom, failure to do so will result in disciplinary consequences. Students are also required to fill out the student location log prior to leaving the classroom and document their return time on the same form. Teachers will not give out hall passes during the first ten minutes or last ten minutes of class. It is the teacher's discretion to allow or deny a hall pass request.

Chromebook Policy: It is an expectation for students to have their charged Chromebook with them every day. Failure to do so will be regarded as "not being prepared for class."

Make-up Policy:

Students need to be in class each day to be successful. If a student is absent, it is the student's responsibility to get the missed materials and assignments. Students need to check Google Classroom and then see me before or after class/school to obtain missed assignments and information. If a student misses a lab or test, it must be made up before or after school in order to receive credit. In some cases, an optional written assignment will be given in lieu of the lab. Work should be made up in accordance with the policy outlined in the UGHS handbook.

Students will also be expected to turn in homework and classwork on due dates. Time stamps of submissions on Google Docs and on AET will assist with tracking student work and grades. Homework and outside of classroom assignments should be turned in at the beginning of class. Make Up Work will be available for excused absences. Deadlines may be extended depending on circumstances. Make up work may not be allowed for unexcused absences. Students are responsible for asking for any missed assignments within 2 days of return to school when they are absent, and getting them turned in within 2 weeks of that return date. **All work is subject to a deduction of 15% of point value per day when it is turned in late.**

SAE Projects will not be accepted for a late grade. Due to the long-range planning and due dates, projects must be turned in early or on due date. SAE needs to be entered into AET network before midnight on the due date to be on time. www.theaet.com will be set up for each student at the introduction of SAE Project.

Academic Honesty

Per School Year 22-23 Student and Parent Handbook, coursework submitted by a student must be the student's own, original work. Students shall not cheat on any assignment by giving or receiving unauthorized assistance or commit the act of plagiarism. Students who commit such acts are subject to not receiving credit on the assignment in question and will be subject to disciplinary action as well.

Grading System:

The FFA program is the leadership portion of the class and a part of the state curriculum standards for Ag Sciences. Participation in Career Development Events through the FFA enhances the students' knowledge in areas which may not be covered in class. The participation grade will come from how involved the student is within the FFA program. No student is required to join the FFA though it is encouraged as leadership opportunities are offered to members. For non-FFA members leadership grade is still required with alternate point accumulations available to earn and demonstrate the leadership component of the AFNR Standards.

Ag Ed is a circle of 3 components: The Classroom, FFA, and SAE. Teaching and practicing each of these areas are in the curriculum. All students enrolled in Ag Sciences are encouraged to participate in FFA. Notice of Equal Opportunity

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can be found at [tps://www.schoolwires.henry.k12.ga.us/Page/49720](https://www.schoolwires.henry.k12.ga.us/Page/49720) FFA member activities do provide opportunities to acquire Personal Leadership Assignment points.

Grades are based on homework, labs, quizzes, etc. grades”, and major grades such as reports, presentations, tests, projects, and classroom/leadership participation are “major grades”. Students earn grades based on the following grading scale.

- 40% Assessment Tasks
- 40% Practice Work
- 20% Comprehensive Final Exam

In an effort to encourage and reward excellent attendance, each student may earn the right to exempt one (1) spring semester non-state required final exam. Each student must meet clear guidelines to qualify for this exemption. Please see our school website for all requirements and guidelines.

We will strive to ensure that each student is able to master the content described in the Georgia Performance Standards. If a student fails to achieve 70% mastery on a summative assessment the student will be allowed to attend a tutoring session and then complete a second assessment. It is the student’s responsibility to schedule a tutoring time with me if they do not achieve 70% mastery on a summative assessment. No retests will be given unless a student attends a tutoring session. Tutoring sessions can be made for before or after school by appointment due to FFA competitions, meetings, or other duties.

Pathway completers will take an EOPA (End of Pathway Assessment). This EOPA will count 20% of the student’s final grade.

Cell Phone/Electronic Device Policy:

The cell phone/electronic device policy begins when students enter the designated classroom area. All students will place all cell phones/devices in the teacher assigned caddy. During this time, cell phones must be turned off. Additionally, all smart watches or other electronic devices connected to the phone must be caddied until the end of class. Cell phones/devices will remain caddied until the end of class. Students will NOT be allowed to take their phones/devices out of the room when they have a hall pass to the restroom, media center, etc. Students will be allowed to use cell phones/devices before first period, during lunch, and during class transition.

On Time Policy: In order to be considered “on time” to class, the student must be across the threshold of the classroom or designated classroom area by the end of the tardy bell. The designated area for Room 410 is passed the phone caddy.

Contact me via my email address scrown@henry.k12.ga.us Email is the most expedient way to contact me. If you have academic or behavior concerns/questions regarding your student, please contact me via email. Tutoring available by appointment in mornings or afternoons. Parent teacher conferences can be made by calling the counseling office and setting a time and date with Mavis Mayfield 678-583-8502.

Unit Repair Plan:

There is no unit repair option for this course due to the project-based nature of the course and the opportunity of using checkpoints for the SAE Project.

Exam Exemption: To encourage and reward excellent attendance, each student may earn the right to exempt one (1) spring semester non-state required final exam. Each student must meet clear guidelines to qualify for this exemption. Please see our school website for all requirements and guidelines.

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DUE AUGUST 26th to Sherry Crown-Agriscience

Please go to the following link to sign this form electronically.

<https://docs.google.com/forms/d/1MRv1zDPyDMRdwxDsofUibBRDHPim-84yP1VXn-4isIA/edit?usp=sharing>

OR

RETURN THIS PAGE ONLY TO MRS. CROWN. Keep a copy of the syllabus in your Ag Notebook or review it anytime on your Google Classroom.

I have read and understand all the objectives, requirements, and expectations for the course AGRISCIENCE taught by Sherry Crown Room 410. Return this signature page no later than AUGUST 26th.

PRINTED STUDENT NAME _____

CLASS PERIOD _____

Student Signature

Date

PRINTED PARENT/Guardian NAME _____

Parent Signature

Date