

Term: 2023-24

Franklin Community High School

Principles of Agriculture

AGRI 100

Course Expectation:

It is my goal as a teacher to create a challenging learning environment where my students will be able to learn through a variety of teaching methods. Through my classes I want to increase my student's knowledge of agriculture while also teaching valuable life skills that will be applicable in any chosen career field.

All school handbook policies and rules for grading scale, language, drink/snacks, dress codes, tardiness, discipline, technology policy and all other issues apply in this classroom.

Instructor Information:

Ms. Alicia Geesey

Ivy Tech Email: ageesey@ivytech.edu

317-346-8100 ext 8163

High School Email: geeseya@franklinschools.org

Onsite Campus Location:

Franklin Community High School

Room F122

2600 Cumberland Drive

Franklin, IN 46131

Campus Affiliated: Ivy Tech Columbus

Required Text and Materials

Chromebook

Folder

Writing utensil

Course Outline of Record

Course Title: Principles of Agriculture

Course Number: AGRI 100

Prerequisites: None

School: Advanced Manufacturing, Engineering & Applied Science

Program: Agriculture

Credit Hours: 3

Contact Hours: 3

Catalog Description:

This yearlong course, which is the foundation for all other agricultural classes, provides students with an introduction to the exciting world of Agriculture Science. This is a hands-on class with many opportunities for you to participate in laboratories and outdoor activities. Course topics include agriculture careers, soil science, forestry and tree identification, wildlife, recycling, meat science, identification of animal breeds, greenhouse plant production, gardening, and agricultural mechanics. This class is right for you if you enjoy learning about natural science in our world and like participating in laboratory activities.

Major Course Learning:

Upon successful completion of this course the student will be expected to:

1. Describe the role of agriculture in US and global societies.
2. Recognize the diversity of agricultural systems in the US and the world.
3. Describe the diversity of jobs and careers in agricultural industries in Indiana and the US.

Course Content:

- The domestication of the world's important crop and livestock species
- The distribution of the world's crop and livestock species
- Size and productivity of farms in the US and around the world
- US production systems for major grain crops
- Crop rotation systems
 - Tillage systems
 - Variety selection
 - Harvest and grain storage technology
- US production systems for major livestock animals
- Species and breed selection
- Vertical integration

ADA Statement:

Ivy Tech Community College seeks to provide reasonable accommodations for qualified individuals with documented disabilities. If you need an accommodation because of a documented disability, please contact the Office of Disability Support Services.

If you will require assistance during an emergency evacuation, notify your instructor immediately. Look for evacuation procedures posted in your classroom.

Code of Student Rights and Responsibilities:

Students can review their rights and responsibilities as an Ivy Tech Community College dual credit student here:

<https://www.ivytech.edu/studentcode/index.html>

Attendance Policy:

Students are expected to attend and participate regularly in class meetings, online learning activities and other activities assigned as a part of a course of instruction. Faculty are required to report student participation in compliance with institutional policies and federal financial aid guidelines. Faculty and staff shall be sensitive to students' religious beliefs and observances, including an expectation that instructors make reasonable arrangements when a student must miss an exam or other academic exercise due to their religious observance. When notified in advance, and when possible, faculty will make allowances for students to make up missed work.

Late Work and Make Up Policy

Late work will be accepted, with a 10% deduction per week late.

Drop Process and Responsibility –

Each course withdrawal required the student to submit a [High School-Based Dual Credit Drop Form](#) for their instructor's signature to record the last date of attendance. The last date to withdraw from this course is 75% of the Ivy Tech's term. See your local K-14 staff for more specific drop dates.

Methods of Instruction

Instruction in Principles of Agriculture will be a combination of lecture, discussion, projects, labs, and observations.

Grading Scale:

Ivy Tech Grading Scale must be followed for grades submitted for the students dually enrolled in the high school and Ivy Tech course:

A.....90-100

B.....80-89

C.....70-79

D.....60-69

F.....0-59

Accessing Grades:

Course grades are available for students by logging into Ivy Tech's online student system called, [MyIvy](https://myivy.ivytech.edu/), at the following address: <https://myivy.ivytech.edu/>. Ivy Tech will not distribute grades by mail, you will need to look up your grades in your MyIvy account. There may be a waiting period of 30 days from the end of the high school semester to obtain grades through MyIvy. If you'd like to order an official transcript, check your unofficial transcript first and then order your official Ivy Tech transcript through MyIvy by taking the following steps:

Step 1: Login into your MyIvy account (myivy.ivytech.edu)

Step 2: Select "**Student**" on the left hand side.

Step 3: Select "**Course Info**"

Step 4: Then select "**Request Official Transcripts**"

If you no longer have access to MyIvy because you have not attended in two or more years, click here

(https://exchange.parchment.com/send/adds/index.php?main_page=login&s_id=9Su8AzIbYotFXfOT) to request your transcript online. You will need to **Create an Account with Parchment Exchange** if you haven't already done so. Should you need to reset your password, you will click on "**Forgot Your Password.**"

Virtual Library

The Ivy Tech Virtual Library is available to students on and off campus. The virtual library includes over 40,000 digital materials, offering full-text journals and books and other resources essential for course assignments. The Virtual Library can be found under the "Library" tab of your MyIvy account: <https://myivy.ivytech.edu>

Ivy Tech Technical Support: Help Desk

Phone: 1-888-IVY-LINE (1-888-489-5463), select option 4

Student Help Center: <http://ivytech.edusupportcenter.com>

Submit a Help Ticket: <https://helpdesk.ivytech.edu/SelfService/Create.html>

Academic Honesty Statement:

The College is committed to academic integrity in all its practices. The faculty value intellectual integrity and a high standard of academic conduct. Activities that violate academic integrity undermine the quality and diminish the value of educational achievement. Cheating on papers, tests or other academic works is a violation of College rules.

No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials and other academic work. This includes students who aid and abet as well as those who attempt such behavior

Copyright Statement:

Students shall adhere to the laws governing the use of copyrighted materials. They must insure that their activities comply with fair use and in no way infringe on the copyright or other proprietary rights of others and that the materials used and developed at Ivy Tech Community College contains nothing unlawful, unethical, or libelous and do not constitute any violation of any right of privacy.

Course Communication:

Students are expected to uphold their responsibilities in terms of appropriate and professional communication with faculty and peers. Please review the 'Students Rights and Responsibilities' section of the student handbook (located in MyIvy) and review common netiquette (Internet etiquette) practices, like those found at: <http://www.ivytech.edu/online/resources.html>

Activities and Tentative Course Schedule:**Semester 1**

Class Meeting	Topic	Assignments	Exams/Assessment
Week 1	Welcome to Ag; FFA Basics	Parent Rules and Expectations Form; FFA Basics, FFA Degree	
Week 2	FFA Unit	FFA Officer Roles and Responsibilities, FFA Unit Poster	Unit Project Presentation
Week 3	Careers in Ag	Career Exploration, Agriculture Careers Assignments,	Develop a professional resume

		Resume building	
Week 4	Careers in Ag	Mock job application, preparing for an interview	Student Interviews
Week 5	Origins of Agriculture & US Ag Production	Origins of Ag Guided Notes, Agriculture the worst mistake ever?	Unit Assessment
Week 6	Soil Science	Soil Profile Guided Notes, Soil Horizons FlipBook, Soil Texture Sampling	
Week 7	Soil Science	Soil Erosion, Soil Surveying	Unit Assessment
Week 8	Tillage, Crop Production, and Hort Crops	Crop Production Guided Notes, County Crop Investigation	
Week 9	Tillage, Crop Production, and Hort Crops	Corn Aflatoxin Lab, Hort Crop Production, Heirloom Vegetable Project	
Week 10	Agribusiness	Intro to Agribusiness Presentation Notes, Intro to Income Statements	Agribusiness and Income Statement Quiz
Week 11	Agribusiness	Agribusiness Project	Agribusiness Project Presentations
Week 12	Food Science	Food Systems Thinker Module 1-4	
Week 13	Food Science	Food Truck Agribusiness Project	
Week 14	Food Science	Food Truck Agribusiness Project	Food Truck Agribusiness Presentation

Week 15	Biotechnology	Biotech in Ag Guided Notes, GMO Debate	
Week 16	Biotechnology	DNA Extraction	
Week 17	Extra Days		
Week 18	Final Exam		Final Exam

Semester 2

Class Meeting	Topic	Assignments	Exams/Assessment
Week 1	Ag Power Structure and Design	Introduction to Ag Power Guided Notes	
Week 2	Ag Power Structure and Design	Introduction to Electrical Circuits Guided Notes	Electrical Circuit building project
Week 3	Ag Power Structure and Design	Introduction to Ag Power Guided Notes, Learning how to read a tape measure	Reading a tape measure assessment
Week 4	Ag Power Structure and Design	Safety in the Ag Shop, Tool Identification	Safety Exam
Week 5	Ag Power Structure and Design	Using handtools in the shop	Construction of Flower Box
Week 6	Animal Sciences	Livestock Terminology and Nutrition	Livestock Terminology Quiz
Week 7	Animal Sciences	Animal Nutrition	Animal Nutrition Assessment
Week 8	Animal Sciences and Common Trends	Pig Farm - VR Experience, Livestock Production Systems	Contract Evaluation
Week 9	Animal Science and	Current trends in	Animal Science

	Common Trends	Animal Science	Industry Trends Presentation
Week 10	Plant Science	Introduction to Plant Science Guided Notes, Plant Anatomy	Plant Anatomy Quiz
Week 11	Plant Science	Plant Identification	Plant ID Quiz
Week 12	Plant Science	Plant Reproduction, Sexual Reproduction Guided Notes, Asexual Reproduction Notes	Plant Reproduction Quiz
Week 13	Landscape Design	Creating landscape design, creating a plan	
Week 14	Landscape Design	School property landscape design	Landscape design project
Week 15	Global Agriculture	Journey 2050	
Week 16	Global Agriculture	Journey 2050	Journey 2050 Levels 1-6
Week 17	Extra Days		
Week 18	Finals Week		Final Exam

Right of Revision

The instructor reserves the right to change any statements, policies or scheduling as necessary. Students will be informed promptly of any and all changes.