



## Animal Science Fundamentals Syllabus

<b>Name of Class:</b>	Animal Science Fundamentals		
<b>Catalog/State Course #:</b>	10-006-140		
<b>Instructor Name:</b>	Katie Koeppel	<b>Office:</b>	226
<b>Email:</b>	kkoeppel@mishicot.k12.wi.us	<b>Phone:</b>	920.755.3316
<b>Office Hours:</b>	M-F: 7:30am-4:00pm, W-F: SNAP sessions		
<b>Class Number:</b>	12	<b>Credits:</b>	3
<b>Day(s) of Week:</b>	M-F: 90 minute course	<b>Class Time:</b>	72
<b>Start/End Dates:</b>	9/2/2025-1/22/2026	<b>Weeks:</b>	18
<b>Location:</b>	Mishicot High School Room 226		
<b>Textbook:</b>	OER		
<b>Supplies Needed:</b>	Writing utensil, calculator, course notes/handouts Field trips: Appropriate clothing for weather conditions and clean coveralls/boots (plastic boot covers will be provided for biosecurity).		

### Technical Skills/Equipment Needed

Email, reliable internet, MS Office (mostly Word & TEAMS), Blackboard

**Blackboard Support:** email - [online@fvtc.edu](mailto:online@fvtc.edu) Phone: (920) 735-4816

### Communication Policy

Communication can be done through email, office phone, or in person. I respond to email messages within one day Monday through Friday. Please communicate any concerns or questions, I am here to facilitate your success.

Due to privacy concerns, grades will only be discussed in person between the instructor and the student. Grades are earned on accuracy and quality of the final product. Grades will be based on assignments, completion of activities, quizzes, classroom participation, exam, and presentations. All work must be completed and submitted by 3:00 p.m. on the final day of class to be graded. Grades will be earned on the following weighted averages and assigned a letter grade according to the grading scale below:

- 65% - quizzes, exams, presentations, projects
- 25% - assignments
- 10% - attendance and participation (including online activity)

### Grading Scale

A 94-100%	C 74-76%
A- 90-94%	C- 70-73%
B+ 87-89%	D+ 67-69%
B 84-86%	D 64-66%
B- 80-83%	D- 60-63%
C+ 77-79%	F below 60%

## **Assignment/Exam Policy**

### **Course Assignments**

Students are expected to hand in all homework assignments on time. When homework assignments are late, the assignment will be graded at 50% of the total points. If a student misses a class assignment it is up to the student to contact the instructor for makeup material. All makeup work is due prior to the last day of the course.

### **Course Quizzes**

The purpose of quizzes is to periodically check your understanding of the course material. All quizzes will relate to current or past course topics. Some, but not all, quizzes will be announced in class. A quiz may be given at any time during any class period. There will be no makeup quizzes, even for an excused absence. Quizzes will only be given to students who are present when the quizzes are passed out.

### **Student Effort**

In order to meet the course credit requirements, you should expect approximately two hours of outside class work for every one hour of effort in the classroom. In lab courses, you can generally expect to spend one hour of outside effort for every two hours in the lab. Some weeks will vary due to site visits and other activities, a general estimate for each week is included on the course schedule. For this course you can expect 6-9 hours of work each week for a typical learner in a typical week.

## **Content Outline/Content Outline with Schedule**

### **Attendance Policy**

#### **Class Participation**

Students are expected to attend all classes, and be on time for all classes. **It is the responsibility of the student to conform to conduct conducive to learning by being prepared, prompt, attentive, and courteous in the classroom and by conforming to policies set by the instructor to maintain an academic decorum.** Class participation “points” serve as a vehicle for determining the grade of a student whose average falls near a boundary of a grade cutoff. Thus, students at a grade boundary may have their grades move up or down depending on their class participation. If you miss a class, please see me as soon as possible. You must complete ALL makeup work prior to the next class session in order to receive full credit.

#### **Attendance**

Students are expected to attend all classes, and be on time for all classes. A majority of classroom material will be discussed online, in lecture and in lab. Course attendance online and in person is absolutely essential to your success. If you are absent from the course more than 20% of the total course hours, the instructor will assign one of the following grades:

- W1 – if the withdrawal occurs during the first 60% of the course or due to extenuating circumstances as determined by the instructor.
- F – if the withdrawal occurs during the final 40% of the course and the instructor determines there are no extenuating circumstances involved.

Tardiness or early departure shall be recorded as a class absence. There is no makeup work for unexcused absences, therefore it is expected that the student communicates via email or phone directly with the instructor in the case of an absence. Excused absences include:

- Absence for a university approved field trip or activity (must be cleared with course instructor one week in advance)
- Absence for a death or serious illness in the immediate family (documentation required)
- Absence resulting from personal illness

**Student Resources/Support:** (*Note: Underlined items are hyperlinks to the FVTC College resources and/or policies.*)

- [Campus Safety & Security](#) - Life-threatening 911 / Emergency (920) 735-4777 / Non-emergency (920) 735-5691
- [Support Services](#) - There is a broad network of support services for you at Fox Valley Technical College.
- [Tutoring/Writing Assistance](#) - The Teaching and Learning Center (TLC) and Write Way are services to assist you with tutoring and writing assistance services; see the For Students tab in Blackboard.
- [Course Withdrawal](#) - If you choose to withdraw from the course, please contact me and enrollment services to ensure you are aware of the impact to your Academic and Financial Aid GPAs.
- **Equal Opportunity** - Fox Valley Technical College is committed to ensuring equal access to its educational programs and employment opportunities without regard to sex, gender, race, color, national origin, religion, age, disability, gender identity, sexual orientation, genetic characteristics, marital status, or military status.
  - **ADA** - FVTC provides a wide range of supplemental services to ensure reasonable accommodations to the known physical or mental limitations of qualified individuals with disabilities. To obtain more information or request accommodations, contact FVTC's Disability Services at (920) 735-2569 Voice/TTY or email [disabilityservices@fvtc.edu](mailto:disabilityservices@fvtc.edu).
  - **Title IX** - FVTC prohibits all forms of illegal gender and sex-based discrimination, which includes acts of sexual violence, sexual harassment, domestic violence, dating violence, and stalking. To report a Title IX concern, contact Security Services at (920) 735-5691 or (920) 993-5177. [Sexual Misconduct Policy](#)

## Student Conduct

Please review the Student Handbook and Calendar for complete summary of college expectations and policies. Copies of the student handbook can be obtained from the Student Life Center in Room E137 or online at:

<http://www.fvtc.edu/myfvtc/student-forms-policies>

## Disciplinary Action for Behavior That Does Not Abide by FVTC Student Conduct Policies

- First time – individual warning
- Second time – asked not to return to class

In class I encourage you to ask questions and make comments. Some of the best learning occurs when students lead discussion and ask for clarification. Voluntary class participation is expected; however I will call on individuals in class from time to time. In addition there may be supplemental reading assignments handed out during class. I will use the supplemental reading material to illustrate some of the points discussed in class and online. These readings will come from popular agriculture press or documents from agriculture businesses. It is my expectation that you read the additional readings before class. These supplemental readings will then be utilized for in class discussion. You will come to realize that I will not always agree with the views taken in the supplemental readings, a byproduct of the course is that you will begin to be able to critically evaluate views taken in leading agriculture publications.

## Labs

Lab activities are an extension of what is being taught in lecture or online. Throughout the course you will experience concepts through a variety of indoor and outdoor activities/projects which are expected to be completed to receive a grade. It is expected that you come prepared for lab and it is your responsibility to come prepared for outdoor activities. This means having proper clothing and footwear when you come to class. Rain or cold weather will not change plans for

outdoor activities/projects. Lab activities, including field trips, cannot be made up. However, the instructor will retain the right to allow the student to complete a makeup assignment and receive partial credit for the lab activity.

<b>Week Weekly Effort Hours</b>	<b>Topic</b>	
1	Syllabus/Blackboard review Breeds - Introduction Byproduct Infographic - Introduction	
2	Importance of Livestock	Topic Quiz
3	BQA - Quality Assurance	BQA Byproduct Infographic
4	Biotechnology & Genetics	Topic Quiz
5	Swine	Biotechnology Slides
6	Anatomy & Physiology	Topic Quiz
7	Anatomy & Physiology	Topic Quiz
8	Beef	Topic Quiz
9	Reproduction	Topic Quiz
10	Poultry	Topic Quiz
11	Dairy	Topic Quiz
12	Safety	Topic Quiz
13	Equine	Safety Infographic Topic Quiz
14	Feeds & Nutrition	Topic Quiz
15	Breeds Review	Study for Final & Breeds Exam
16	Small Ruminants: Sheep & Goats	Topic Quiz
17	Breeds Exam	All Late/Missing Work
18	Final Exam	

## Miscellaneous Information

*No food or open beverage allowed in the laboratory. Preferably food is quiet and beverages are closeable. If you must use your cell phone, please do so discretely or leave the classroom. Computers are recommended in this class when we meet in person.*

## Course Description

Provides fundamental knowledge of the animal science field. Topics include animal health, animal environments, anatomy and physiology, genetics and reproduction, animal feedstuffs, and job-related safety. Students will experience animal concepts through the completion of hands-on activities

**Course Competencies:** All students should be competent in the following knowledge, skills, and behaviors by the end of this course.

1. Explore the animal science industry.
2. Examine animal handling and chemical safety in the animal science industry.
3. Apply genetic principles to modern agriculture systems.
4. Explore management strategies for animal reproduction.
5. Determine feedstuffs utilized in the animal science industry.
6. Explain biotechnology used in animal agriculture.
7. Explain the characteristics of the beef industry.
8. Summarize characteristics of the dairy industry.
9. Summarize characteristics of the swine industry.
10. Summarize characteristics of the sheep and goat (small ruminant) industries.
11. Summarize characteristics of the horse industry.
12. Recognize basic animal anatomy and physiology.

## FVTC Mission

Provide relevant technical education and training to support student goals, a skilled workforce, and the economic vitality of our communities.

## FVTC Vision

A catalyst in engaging partners to bring innovative educational solutions to individuals, employers, and communities – transforming challenges into opportunities.

**Employability Essentials:** FVTC works closely with area employers to ensure our students learn the skills needed in today's competitive workplace. In addition to technical skills, you will also learn and practice the following FVTC institutional learning outcomes, known as "Employability Essentials"—the skills and behaviors employers want in the workplace.

- Exercise Adaptability
- Apply Reasoning
- Demonstrate Respectful and Responsible Collaboration
- Communicate Effectively
- Demonstrate Social Responsibility

### **Amendment to Syllabus**

Any changes to the information in the syllabus affecting the course, or course content will be announced by the instructor. Changes to the course policies may occur due to extenuating circumstances.

### **Agreement for a Productive Learning Environment:**

I believe that superior learning takes place in an environment where faculty and students exhibit fairness, trust, and mutual respect, therefore . . .

- Fair and accurate evaluation is essential in the learning process.
- Students should expect evaluation based upon their performance.
- Instructors should assign grades free of bias.
- Faculty promotes trust by setting clear guidelines for assignments and for evaluation of student work.
- Students promote trust by preparing work that is honest and thoughtful.
- Faculty shows respect by taking student ideas seriously, providing honest feedback on their work, valuing their aspirations and goals, and recognizing them as individuals.
- Students show respect by attending class and paying attention, listening to others point of view, being prepared and contributing in discussion, and performing to the best of their ability.
- Both faculty and students show respect by being on time and meeting academic deadlines. Use appropriate language that is respectful and appropriate for the learning environment. Being rude, demeaning or disruptive does not foster an environment where learning and excellence can happen.
- Faculty and student must work cooperatively with others and model values of good character and good citizenship.
- Harassment is not tolerated here. Please be polite, courteous, and in general a respectable person.

By signing this page and giving it to my instructor, I am confirming that:

1. I have read carefully, understand, and agree with and will follow all of the guidelines, statements, and requirements stated in the course syllabus.
2. I understand that the grade I earn in this class is based on the accuracy and quality of my work and is my responsibility to earn.
3. I understand that our class is a learning community. I will support my learning and the learning of my classmates and instructor by coming to class prepared, participating fully, and completing my work on time.
4. I commit to giving my best effort throughout the term of the course and seek out my fellow students and/or the course instructor to support my success.
5. Agriculture is a hands-on learning course. Our classroom will at many times have exposure to animals, plants, foods, and chemicals. All safety precautions necessary with plants, animals or food will be taken but please list allergies and health concerns we should know below. Please contact the instructor ASAP if there are concerns regarding the hands-on nature of the class. Any abuse to classroom equipment, pets, peers, or plants will not be tolerated and may result in forfeit of assignment grade and/or removal from the class.

## **STUDENT**

Please sign your name here: \_\_\_\_\_

Today's date

Print your name here: \_\_\_\_\_

## **PARENT/GUARDIAN**

Please sign your name here: \_\_\_\_\_

Today's date

Print your name here: \_\_\_\_\_