

Wildlife Biology – Mrs. Hover

Prerequisites: Biology 1 and Earth & Space Science with a grade of ‘C’ or better in each

Course Overview: Wildlife Biology covers the current and historical management and conservation of wildlife. Science based management emphasizing habitat and sustainable wildlife populations is an underlying theme. Current wildlife management issues and social implications of management decisions are covered as well.

The content of this course is arranged around the Next Generation Science (NGS) standards
The standards include four life science core ideas that are blended with Science and Engineering Practices

LS1: From Molecules to Organisms: Structure and Processes

LS2: Ecosystems: Interactions, Energy, and Dynamics

LS3: Heredity: Inheritance and Variation of Traits

LS4: Biological Evolution: Unity and Diversity

The units in this class fall mainly under the following:

Science and Engineering practices

LS2: Ecosystems: Interactions, Energy and Dynamics

To look at these in more detail, please click on the link below

[Next Generation Science Standards](#)

The subject matter learned in this class is important to Montana, the United States and the World! This class will allow you to become more knowledgeable about many wildlife and land use issues. This course is designed to make you an informed citizen about the complex issues that face us in **managing** and **conserving** a limited resource in a high-tech world with an ever growing human population.

This is an advanced science course. It will challenge you and give you the confidence to accept greater academic responsibility and prepare you for future studies. This is NOT a required class so be sure you are willing to accept this responsibility for success.

Topics Covered

Classification of Wildlife

History of Wildlife Conservation & Management - landmark case studies in Wildlife Conservation

Principles of Wildlife Management including management model

Tools & Techniques used in Wildlife Management and field research

Aquatic Habitat Analysis

Fisheries Management

Population Management including dynamics and inventory techniques

Current Issues in Wildlife Management

Endangered Species management – Listing/Delisting Process

Mammalogy

Furbearer and Bear Ecology/Management

Local, Regional, National and International Wildlife Issues

Ornithology and Nongame Management

Techniques used to present the topics will include a variety of approaches, including but not limited to lecture, readings, simulations, field studies, current events, labs, group and individual research projects, student generated presentations, guest speakers and field trips.

As field trips are an extension of concepts learned in class, a 'C' grade average is required to participate in all field trips held outside the regular class period

Classroom Expectations & Grading Policy

These guidelines are enforced to maintain a safe and healthy classroom environment conducive to learning so everyone can learn safely, responsibly, respectfully and be successful.

Expectations

Be Safe:

--When working on labs or experiments, work cooperatively and do your part. Answers should be individual. Identical answers may result in no credit.

Be Respectful:

--Respect others and their property. Be open to different viewpoints. Many issues in this class are controversial

--Only one person talking at a time. Raise your hand during class discussions

--**Electronics off and out of sight.** Music allowed only during individual silent reading. Cell phones can be used if the lesson requires the internet.

Be Responsible:

--**Be on time**, stay on task and in your seat until the bell rings. **You lose extra credit points when tardy**

--Come to class prepared: positive attitude, with materials, team player

--**Make-up is your responsibility.** Use the established office hours or before school to make up assignments or receive extra help

--Assignments to be turned in at specified due date (**two late assignments accepted per semester with 5 extra credit points deducted per late assignment**)

--**Deadline on late assignments – 2 week deadline and school wide missing work deadline**

--**Do your own work!** Integrity is imperative in this class. Students who do their own work and strive to understand the material will do well in this class.

Consequences

1st offense -- verbal warning, detention

2nd offense – one or more of the following:

warning, loss of extra credit, conference, loss of group privileges, change of seat

3rd offense -- final warning, 15-minute conference on student time,

4th offense -- discipline referral/Report to Assistant Principal

Tardies: School wide policy, loss of extra credit points starting on the 4th tardy

Grading and Bookkeeping

Your grade is based upon cumulative points with points being earned from daily assignments, labs, projects and tests.

Being in class on a daily basis and engaged in the curriculum is the key to success

In addition to the above points, each student will start out with **10** extra credit points. At the end of the semester, these will be added to your total points accumulated. You lose these by turning in late assignments, being disruptive in class or being tardy. **If you lose the 10 points because of tardies, you may lose the privilege of turning in late assignments. Have fun and be a safe, respectful, responsible Knight!**

Preparation

Be sure and look over your material on a regular basis. When in class pay attention ...ASK questions ...be prepared ...bring materials needed each day. Wildlife biology is an advanced biology class therefore you should expect a greater amount of preparation to be successful. You should expect to take notes in this class. It is an effective way to present large quantities of information we wish to cover and will prepare you for college level classes. Please ask questions as we cover materials. You should also be ready to answer complex questions. A constant thought should be, "What are the management implications for wildlife?"

Attendance and homework

You are expected to be here and on time each day with your materials ready to go to work. If you are absent from class, it is your responsibility to obtain and complete the work missed. Time limits on makeup work is stated in the student handbook

You are responsible for getting your make-up assignment from me or a classmate and making arrangements to complete it. It is expected that missing work or help with assignments will be done during office hours or on your own time. I will not chase you down. **If the time expires without completion of a missed assignment, a zero will be entered in the grade book.** If you are absent for an extended period, realize your grade may be affected.

This is a lab based class based on in -person learning and while I strive to post schedules and activities on Google Classroom, a lab cannot be done online and I am not required to provide an alternative curriculum.

Attendance is Important!

Late Assignment Policy:

--Assignments to be turned in at specified due date (**two late assignments accepted per semester with 5 extra credit points deducted per late assignment**)

--Deadline on late assignments – 2 week deadline in Wildlife Biology and school wide missing work deadline

School Wide Missing Work Deadlines

For credit any outstanding work must be turned in by the school wide missing work deadlines

Email:

dhover@mcpsmt.org



**Be Safe.
Be Respectful.
Be Responsible.
Be a Graduate.
Be a KNIGHT!**