

Wildlife and Fisheries
DIAL Virtual School
18501

Instructor Information:

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Course Description

Aim:

Management of South Dakota's wildlife and fisheries is critical to our future economic stability. Skills gained in this area will be beneficial to students seeking careers in the many facets of wildlife and fisheries. The Wildlife and Fisheries course addresses the biological and environmental issues related to wildlife and fisheries management within our state. Classroom and laboratory content may be enhanced by utilizing appropriate equipment and technology. Biology, English and human relations skills will be reinforced throughout the course. Work-based learning strategies appropriate for this course are school-based enterprises and field trips. Opportunities for application of clinical and leadership skills are provided by participation in FFA activities, conferences and skills competitions such as the Natural Resources Career Development Event or related proficiency award areas. All students are expected to complete a Supervised Agricultural Experience program.

Suggested grade level: 9th – 12th

Length: Semester Course

Prerequisites: None

Topics covered:

- Fish and wildlife management
- Fish species
- Wildlife species
- Habitat
- Hunting
- Fishing
- Regulations
- Processing game and fish for consumption
- Safety
- Animal behaviors

- Disease

Instructional Philosophy and Delivery Plan

Expectation: Students will be expected to meet all course goals by demonstrating their understanding of the basic concepts of each topic area.

Delivery Method: Instruction will be online and consist of individual hands on activities and projects, group work, lecture, discussion, reading, writing, self-assessment and the use of technology.

Assessment: Students will be graded on the following items: Written reports, tests, daily work, and individual projects.

Core Standards

- WF1.1 Apply knowledge of natural resource components to the management of wildlife and fish.**
- WF1.2 Identify fish and wildlife species.**
- WF1.3 Identify healthy habitat for wildlife and fish.**
- WF2.1 Discuss hunting/harvesting fish and wildlife species as a management technique.**
- WF2.2 Demonstrate processing techniques to use game and fish as food sources.**
- WF2.3 Distinguish safety practices related to hunting and fishing activities.**
- WF3.1 Differentiate fish and wildlife function and form in their daily lives.**
- WF3.2 Identify seasonal rituals of fish and wildlife species.**
- WF3.3 Diagnose wildlife and fish diseases.**
- WF4.1 Locate, Identify, research and interpret career information**
- WF4.2 Compare and contrast characteristics of various careers.**

Major Course Projects

- Identify predator/prey relationships.
- Create a habitat improvement plan.
- Examine movement of animals, e.g. migrations over land and through the air.
- Review local game and fish laws.
- Examine fish species to identify parts and function.
- Examine pros and cons of hunting animals and defend position.
- Review the economic impact of sportsmen on rural communities.
- Process game and make meat products.
- Investigate breeding patterns, rituals, and habits of fish and wildlife species.
- Learn concepts of taxidermy.
- Identify various species of fish and wildlife.

Assessment Plan & Grading Scale

Grade	Description of Work
A	Consistently demonstrates an exceptional level of quality and effort. Having all work in on time and completed to exceed expectations. Mastery in evaluating, synthesizing, and applying the knowledge.
B	Consistently demonstrates proficient knowledge with a good effort and quality of work. All assignments are complete and on time. Demonstrates the ability to evaluate, analyze, synthesize and apply the principles.
C	Demonstrates proficient knowledge and the ability to apply knowledge. Work shows average effort. A few assignments may be missed or late.
D	Work shows minimal effort and some assignments are late. Demonstrates a basic understanding of recalling or comprehending knowledge.
F	Understanding is below basic. Work is of poor quality and does not meet standards or expectations.