AG. 536 ZOOLOGY\FISH AND WILDLIFE SCIENCE

COURSE DESCRIPTION: A course designed to examine the importance of fish and wildlife science, outdoor recreation and natural resources.

UNITS OF INSTRUCTION	MINUTES OF INSTRUCTION
Importance of Wildlife	470
History of Wildlife	470
Ecological Concepts	235
Identify Wildlife and Fish Species	470
Management of Wildlife and Fish Populations	705
Fish and Game Regulations	235
Aquaculture	940
Natural Resources for Outdoor Recreation	470
Career Opportunities	235
TOTAL MINUTES	4,230

A. Importance of Wildlife

- 1. Describe the ecological benefits of wildlife
- 2. Discuss the economic benefits of wildlife
- 3. Identify the aesthetic benefits of wildlife

B. History of Wildlife and Fish Species

- 1. Identify historical aspects of wildlife management
- 2. Identify the historical development of fish management

C. Ecological Concepts

- 1. Define ecosystems
- 2. Explain carrying capacity and population effects

D. Identify Wildlife and Fish Species

- 1. Examine animal species, including fur bearers
- 2. Identify fish species (fresh and salt water)
- 3. Identify fowl species
- 4. Identify exotic game

E. Management of Wildlife and Fish Populations

- 1 Explore water, food and cover requirements of wildlife
- 2. Examine and develop habitats for wildlife production
- 3. Discuss the management of wildlife populations
- 4. Discuss the management of fish populations

F. Fish and Game Regulations

- 1. Discuss Idaho regulations and seasons for big game animals, fur bearers, waterfowl, upland game birds, and fishing
- 2. List the ethics of sportsmanship
- 3. Identify the skills needed in map reading
- 4. Discuss safety aspects relating to sportsmanship

G. Aquaculture

- 1. Discuss the history of aquaculture
- 2. Explain how aquaculture has become a profitable business
- 3. Examine management techniques in aquaculture
- 4. List the steps in marketing fish
- 5. Discuss the fish processing industry
- 6. Discuss the fish feed industry

H. Natural Resources for Outdoor Recreations

- 1. Identify recreational enterprises
- 2. Identify methods of developing recreational enterprises
- 3. Discuss the management of recreational enterprises
- 4. Review state and federal policies concerning recreational activities

Career Opportunities I.

- 1.
- Identify career opportunities in wildlife management Identify career opportunities in outdoor recreation management 2.