

SAULT COLLEGE

of Applied Arts and Technology

Sault Ste. Marie

COURSE OUTLINE

COURSE OUTLINE AND REQUIREMENTS

GAME AND FISH MANAGEMENT

(FOR-314-6)

LABORATORY MANUAL

revised May 13, 1981 by Harold Cooper

Student Evaluation

Students will be assessed on the basis of the following:

A. Term Tests - based on theory material (3) - 45%

B. Practical Tests -

- Enforcement Problems on Second Lab day in February
- Habitat Improvement on First Lab day in March
- Mammal and Bird Anatomy
- Mammal Identification
- Bird (non waterfowl) Identification
- Waterfowl Identification
- Skull and Fur Identification
- Parasites and Disease diagnosis
- Firearm anatomy and Handling



Every second
lab except
above
Total 40%

C. Position Paper - Due February 28

D. Species Management and Biology Paper Due Feb. 6

15%

100%

Grading

Term test, papers - A = 80% +
B = 70 - 79%
C = 60 - 69%
I = less than 60% non-accumulative

Practical Tests A = 90 % +
B = 75 - 89%
C = 65 - 74%
I = less than 65% accumulative

Position Paper:

The game and fish management field brings up some highly contentious issues, such as trapping, hunting ethics, predator control etc. Each student will research one of these "hot" topics and present

- a) arguments for each side of the issue involved, based on research
- b) an intelligent summation of his or her position on the subject based on the above arguments. This position paper will be prepared in proper technical report style and submitted to your instructor before February 28. Approximate length - 4-5 pages including bibliography.

Species Biology and Management Report:

Each student will summarize in point form or chart form the biological life history and habits of an assigned bird, mammal or fish species. In addition, you will research current status and management practices for each species and summarize this as well in a chart. References should be properly quoted. Due date - February 6. Approximate length - 3-4 pages.

Suggested topics for Position Paper

1. The Seal Hunt
2. Commercial Fishing in Inland Lakes
3. Wild Rice Harvest Restrictions
4. Ontario Hunter Safety System
5. Ontario Hatchery System
6. Bounty Systems for Predator Control and Alternatives
7. Back-only or Bull-only Seasons
8. Size limits for fish
9. Fly fishing only
10. Ethics of Hunting (Trapping)
11. Indian Rights and Privileges
12. Enforcement or Public Relations to decrease poaching
13. New Canadian Gun Laws
14. European Game Management Systems
15. Shooting on Preserves
16. Predator Control
17. Bear and other nuisance wildlife species in developed areas

References

Texts:

1. Schemnitz, S. D. 1980. Wildlife Management Techniques, 4th Edition The Wildlife Society, Washington, D.C. 686 p.
2. Teague, R. D. and E. Decker 1979. Wildlife Conservation: Principles and Practices, The Wildlife Society, Washington, D.C. 280 p.
3. U.S.D.A. Forest Service, 1969, Wildlife Habitat Improvement, Washington, D.C. 200 p.

Library References, journals etc.

Journal of Wildlife Management 1968-1981,
Transactions of N.A. Wildlife and Resources Conf. 1971-81
State, Province, governmental publications

Dasmann, R.F. 1964 - Wildlife Biology, Wiley, California, 231 p.
Leopold, A. 1932. Game Management Scribners, Wisc. 481 p.

Schmidt, J. L. and D. L. Gilbert 1978, Big Game of North America,
Stackpole Books, 494 p.

Sigler, W. F. 1956, Wildlife Law Enforcement Wm. Brown Co. Utah
College, 318 p.

LABORATORY SCHEDULE

Week

1. Mammal and Bird dissection and anatomy.
2. Test on above. Waterfowl Wing Identification.
3. Test on Waterfowl wings. Mammal identification.
4. Skull and fur identification.
5. Enforcement Problem test. Complete above.
6. Test on mamals, skulls and furs. Gamebird, shore bird, raptor identification.
7. Break Week.
8. Habitat Improvement test. Songbird identification.
9. Test on birds. Firearm anatomy and Handling.
10. Term test. Begin parasite and diseases of wildlife.
11. Complete parasites and diseases. Test on firearms.
12. Parasite and disease case test. Private enterprise research.
13. Private Enterprise set-up.
14. Reptiles and Amphibia identification.
15. Final test, Review.