

Date: February 13, 2006

- I. Course Name: Introduction to Fish and Wildlife  
Course Prefix and Number: CON 102  
Credit Hours and Contact Hours: 3 credit hours - 3 contact hours  
Catalog Description:  
The study of fish and wildlife as a valuable aesthetic, recreational and economic resource. Ecological consideration, life histories, identification, populations, habits, and the relationship between humans and regional wildlife and fish will be discussed. Special attention is paid to fish and mammals of New York State.

**II. Course Outcomes and Objectives**  
**Learning Outcomes:**

The course objectives are to provide the students with an introductory knowledge of fish and mammals of the United States with special emphasis on animals found in New York State. The students will be required to identify common species both from specimens and sign. This is accomplished through lecture, class discussion, and examination of selected specimens. The course is divided into two sections: one is the identification and natural history of selected fish families and species and the other is identification and natural history of selected mammal species.

**Relationship to Academic Programs and Curriculum:**

This course is required for all students enrolled in the A.A.S. Natural Resources Conservation, A.A.S. Natural Resources Conservation: Law Enforcement and A.S. Environmental Studies Degree Programs. It is also required of students enrolled in the Outdoor Recreation and Taxidermy Certificate Programs. This course may be taken by students enrolled in other programs as a general elective.

**College Competencies Addressed by the Course:**

<input checked="" type="checkbox"/> writing	<input checked="" type="checkbox"/> ethics / values
<input type="checkbox"/> oral communications	<input checked="" type="checkbox"/> citizenship
<input checked="" type="checkbox"/> reading	<input checked="" type="checkbox"/> global concerns
<input type="checkbox"/> mathematics	<input type="checkbox"/> information resources
<input type="checkbox"/> problem solving	<input checked="" type="checkbox"/> professional competency
<input type="checkbox"/> computer literacy	

**III. Methods of Instruction**

**Types of course materials:**

Students will purchase fish and mammal identification books as well as a Fish Workbook developed by the instructor.

**Methods of Instruction:**

This course is lecture based; however, class discussions and hands-on identification of taxidermy mounts and field signs of mammals are an important part of the course. The course is divided into two parts: a fish and a mammal component. The fish component requires students to complete a Fish Workbook to help in organization of their class notes. Applicable films are also incorporated into the course.

**Assessment Measures:**

One half of the student's final grade will come from the fish section of the course. It will be determined by the student's performance on two exams and the successful completion of a Fish Workbook. The other half will be determined by the student's performance on two exams and quizzes in the mammal portion of the course.

**Methods of Evaluation:**

The student's final grade in the course will be determined by their performance on the following:

<u>Fish Section</u>		<u>Mammal Section</u>	
Exams (2)	60%	Exams (2)	90%
Fish Workbook	30%	Quizzes &	
Attendance & Participation	<u>10%</u>	Participation	<u>10%</u>
	100%		100%

$$\text{Final grade} = \frac{\text{Fish Section Grade} + \text{Mammal Section Grade}}{2}$$

#### IV, **General Outline of Topics Covered**

##### Fish Section:

Classification & Evolution of Fish

External Anatomy

Family Characteristics

Species Characteristics & Natural Histories

##### Mammal Section:

Introduction to Mammals

Characteristics and Habitats of Mammals

Species Identification & Natural Histories