Date: February 2006

I. Course Name: Ornithology
   Course Prefix and Number: CON 211 / BIO 225
   Credit Hours and Contact Hours: 4 credit hours - 5 contact hours
   Catalog Description:
   The study of birds with special emphasis on anatomy, physiology, life
   histories and identification of birds common to Western New York.
   Lecture and laboratory work supplemented by several field trips,
   including early morning bird observations. Trips to selected local
   birding areas are required. (Also listed as BIO 225.) Prerequisite: BIO
   121, 122 or permission of instructor.

II. Course Outcomes and Objectives
   Learning Outcomes:
   The objectives of this course are to provide students with knowledge to
   identify birds and understand their behavior and relationships in their
   natural habitats. This is accomplished through lecture, laboratory class
   discussion, field trips and student research projects. The basic
   principles of anatomical features as well as calls and behaviors are
   stressed.

   Relationship to Academic Programs and Curriculum:
   This course is a Conservation or Science elective for students in
   the A.A.S. Natural Resources Conservation, A.A.S. Natural Resources
   Conservation: Law Enforcement and A.S. Environmental Studies
   Degree Programs. It may also be taken as a Science elective for
   students enrolled in other degree programs.

   College Competencies Addressed by the Course:
   __X__ writing   __X__ ethics / values
   __X__ oral communications __X__ citizenship
   __X__ reading __X__ global concerns
   _____ mathematics __X__ information resources
   __X__ problem solving __X__ professional competency
   _____ computer literacy

III. Methods of Instruction
   Types of course materials:
   Students will purchase an Ornithology text and a field guide to birds.
   The students will keep a checklist of all birds observed during the class
   which will be provided by the instructor. During field exercises the
   Conservation Department will provide binoculars and spotting scopes
   for student use.

   Methods of Instruction:
This course is laboratory and field experience based; however, class lecture and discussion help students understand the utilization of identification skills and techniques. Applicable videos are also incorporated into the course.

**Assessment Measures:**
Each student’s understanding of the course material will be assessed by their participation in class discussions, their performance on a bird related research project, through weekly bird identification quizzes and two exams.

**Methods of Evaluation:**
- Midterm Exam
- Final Exam
- Research Project
- Bird Identification Quizzes
- Participation

**IV. General Outline of Topics Covered**
- History of Ornithology
- General Birding Skills
- Classification of Birds
- Anatomy & Physiology
- Feathers & Flight
- Bird Behavior
- Migration
- Waterfowl
- Raptors
- Song Birds
- Mist Netting and Bird Banding