Syllabus

CON 116 Fisheries Techniques

General Information

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Author John VanNiel

Department Conservation

Course Prefix CON

Course Number 116

Course Title Fisheries Techniques

Course Information

Catalog Description This hands-on course provides students with field experiences utilizing various types of fisheries equipment. Emphasis is placed on sampling techniques for both fish and aquatic habitats. Topics include small boat operation, fish identification, fish capture and handling techniques, data collection, tagging and marking, aging, electrofishing, netting, radio telemetry, hydro acoustics, habitat assessment, and equipment maintenance.

Credit Hours 3

Lecture Contact Hours 3

Lab Contact Hours 0

Other Contact Hours 0

Grading Scheme Letter

Prerequisites

None

Co-requisites

None

First Year Experience/Capstone Designation

This course DOES NOT satisfy the outcomes applicable for status as a FYE or Capstone.

SUNY General Education

This course is designated as satisfying a requirement in the following SUNY Gen Ed category
None

FLCC Values

Institutional Learning Outcomes Addressed by the Course
Vitality, Inquiry, Perseverance, and Interconnectedness

Course Learning Outcomes

Course Learning Outcomes

1. Determine the appropriate sampling method for target species.

2. Use active and passive fish capture equipment.

3. Conduct assessment surveys for small water bodies (e.g. streams and lakes)

4. Apply the scientific method process following a standard field report form.

Outline of Topics Covered

    I. **Fish identification, data collection and sampling techniques**
    II. **Proper trailering and boat handling techniques**

        a. Boating rules of the road and safety

    III. **Electrofishing operation and safety**
    IV. **SR16 electrofishing vessel**

        a. Lake environments – Honeoye Lake
        b. Lake environments – Canandaigua Lake

    V. **Backpack electrofisher**
        a. **Stream environments – TBD**
    VI. **Trawling lake environments**
        a. **Mid-water and bottom trawl – Canandaigua Lake**

    b. (Pontoon, skiff)
  VII. Seine netting pond environments
    a. Fish handling, measuring and identification
 VIII. Gill net setting and pulling techniques
    a. Canandaigua Lake
  IX. Pond mapping
  X. Aging, tagging, and marking techniques

Program Affiliation

This course is required as a core program course in the following program(s)
 AAS Fish and Wildlife Technology