



## Syllabus

### CON 116 Fisheries Techniques

#### General Information

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**Date** June 18th, 2019

**Author** John VanNiel

**Department** Conservation

**Course Prefix** CON

**Course Number** 116

**Course Title** Fisheries Techniques

#### Course Information

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**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

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None

#### Co-requisites

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None

## First Year Experience/Capstone Designation

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

## SUNY General Education

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This course is designated as satisfying a requirement in the following SUNY Gen Ed category

None

## FLCC Values

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### **Institutional Learning Outcomes Addressed by the Course**

Vitality, Inquiry, Perseverance, and Interconnectedness

## Course Learning Outcomes

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### **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

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- 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

