Syllabus

CON 214 Fisheries Management

General Information

Date June 18th, 2019

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Department Conservation

Course Prefix CON

Course Number 214

Course Title Fisheries Management

Course Information

Catalog Description This course is designed for the second year Environmental Conservation student. Fisheries management stresses the relationship between humans, fish, and their environments. Students are introduced to the principles of fishery management including history, theory, and management strategies. The importance of habitat management, and population dynamics and their interactions is explored.

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. Practice appropriate sampling methods for target species.
2. Discuss principles of fisheries management.
3. Interpret data from fish populations.
4. Develop a management plan for how humans, fish, and their environment interact as a fishery.

Outline of Topics Covered

I. Fisheries management process
II. Fishery productivity

a. Morphoedaphic index

III. Lake assessment sampling
IV. Quantitative description of diet

a. Field sampling
b. Ivlev's electivity index lab

V. Stream assessment Catch Rate Oriented Trout Stocking

a.CROTS calculation

VI. Estimating Population Size

VII. **Population structure**
VIII. **Age and Growth**
IX. **Production, recruitment and yield**

Program Affiliation

This course is required as a core program course in the following program(s)

AAS Fish and Wildlife Technology