



School of Science
RRMT 237
FISHERIES MANAGEMENT
Fall 2022
3 credits

Course Outline

INSTRUCTOR: Darrell Otto

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TIME/DATES: Lectures Fridays 0900 – 11:55 in A2601

Lab Tuesdays 1300-1555h in A2805

COURSE DESCRIPTION

Fisheries include a wide range of aquatic and marine resources including invertebrates, seaweed, fish, and marine mammals. Management of these resources requires specific knowledge of the resources themselves, their respective habitats, and the methodologies of incorporating societal values and controlling human use and impacts. This course serves as an introduction to these topics with strong emphasis on applicability to the management of finfish in northwest Canada.

COURSE REQUIREMENTS

Prerequisite(s): BIOL 101 or equivalent and RRMT 125, or permission of the instructor.

EQUIVALENCY OR TRANSFERABILITY

This course is equivalent to UNBC NREM 204 with YUKO RRMT 223 & YUKO RRMT 237 with a B- or higher. Please note that receiving institutions determine course transferability. Find further information at:

<https://www.yukonu.ca/admissions/transfer-credit>

LEARNING OUTCOMES

Upon successful completion of the course, students will be able to:

- Understand the basic biological principles that form the foundation of fisheries management.
- Know the principal habitat characteristics of marine and fresh waters and methods for the conservation, protection, and enhancement of them.
- Know the basic methodologies used to manage fisheries.
- Have the basic skills required to collect relevant data, to analyze problems and to implement effective management solutions.

COURSE FORMAT

Material will be presented in lectures, readings, discussions, case studies and practical assignments.

*The lab component of the course will include activities designed to enhance biological knowledge and data gathering skills, and presentations and discussions with fisheries managers.

Lectures will be face-to-face format, at a pace of two (2) 85-minute lectures per week. A laboratory exercise of 3 hours duration, intended to reinforce course lecture topics, will be held weekly unless otherwise noted.

EVALUATION

Midterm exam	15 %
Lab Reports	40 %
Term Paper	20 %
Final Exam	25 %
Total	100%

There will be an 80-minute mid-term exam held during normal lecture time on Friday October 21, 2022, and a 3-hour final exam during the exam period between Dec. 8-16th, 2022.

A term paper with a recommended minimum 2,500-3,000 words will be due by midnight on November 18, 2022. Topics will be of the student's choice, but must be relevant to the course, and pre-approved by the instructor. It is highly recommended that you submit a one paragraph outline of your intended subject by October 14, 2022.

Lab activities will be evaluated on written reports (40%). Remember that this is a two-component course that includes both a lecture and laboratory series. **A pass in the laboratory evaluations will be required to pass the course.**

ATTENDANCE

Attendance at all activities is mandatory. **Unexcused absences from more than 10% of activities may result in course withdrawal at the instructor's discretion.**

The laboratory component of the course is **mandatory**. Attendance and participation at laboratory sessions is required. Passing the lab component is necessary to receive credit for the course. **You cannot pass the course if you are absent from more than 10% of lab activities. Effectively this is two (2) laboratory sessions.**

COURSE WITHDRAWAL INFORMATION

The last date to withdraw without academic penalty is Nov. 4th, 2022. Refer to the YukonU website for other important dates.

TEXTBOOKS & LEARNING MATERIALS

There is no mandatory textbook for this course. Detailed notes and readings will be provided.

ACADEMIC INTEGRITY

Students are expected to contribute toward a positive and supportive environment and are required to conduct themselves in a responsible manner. Academic misconduct includes all forms of academic dishonesty such as cheating, plagiarism, fabrication, fraud, deceit, using the work of others without their permission, aiding other students in committing academic offences, misrepresenting academic assignments prepared by others as one's own, or any other forms of academic dishonesty including falsification of any information on any Yukon University document.

Please refer to Academic Regulations & Procedures for further details about academic standing and student rights and responsibilities. <https://www.yukonu.ca/policies/academic-regulations>

ACADEMIC ACCOMMODATION

Reasonable accommodations are available for students requiring an academic accommodation to fully participate in this class. These accommodations are available for students with a documented disability, chronic condition or any other grounds specified in section 8.0 of the Yukon University Academic Regulations (available on the Yukon University website). It is the student's responsibility to seek these accommodations by contacting the Learning Assistance Centre (LAC): LearningAssistanceCentre@yukonu.ca.