

**Eastern WV Community & Technical College
Master Course Record**

Course Prefix and Number: BET 270
Course Title: Freshwater Fisheries: Biology and Management
Recommended Transcript Title (if over 40 characters)
Date Approved/Revised: 11-12-18
Credit Hours: 2 Contact hours per week (Based on 15 week term): Lecture: 1 Lab: 2
Prerequisite: BET 160 Introduction to G.I.S. and Data Collection Corequisite: Pre/Corequisite:
Grading Mode: Letter
Catalog Description: The principles of fisheries science will have an emphasis on the fundamentals of fisheries biology and management. It includes the study of fish identification, food habits, age and growth, population dynamics, stream and lake surveys, macroinvertebrate identification and sampling and management of natural populations.
Course Outcomes: 1. Identify fish species in lab and field situations, focusing on species of the Appalachia region. 2. Identify aquatic macroinvertebrate species in lab and field situations, focusing on species of the Appalachia region. 3. Describe natural history, biology, and best management practices for selected fish and aquatic macroinvertebrates. 4. Demonstrate safe and ethical sampling of fish and macroinvertebrates in various habitats using current and relevant tools, including electrofishing techniques. 5. Explain fisheries best management practices as they pertain to West Virginia. 6. Communicate technical information accurately and effectively in oral, written, visual, and electronic forms. 7. Demonstrate the ability to think critically by observing critically, reading critically, planning, reflecting, analyzing, evaluating and synthesizing by using multiple modalities of inquiry to collect information including organizing, evaluating, analyzing, and interpreting findings. 8. Demonstrate their abilities to think mathematically by applying mathematical concepts in problem-solving including estimation, computation, analysis, assimilation, application, transference and modeling strategies as appropriate workforce skills and lifelong learning. 9. Demonstrate workforce and citizenship skills needed for professional ethical reasoning, diversity awareness, civic engagement, and steadfast participation in lifelong learning activities. 10. Apply the use of GPS and GIS technology as it applies to fisheries management.
Implementation Cycle: Fall
Role in College Curriculum: (Check all that apply) <input type="checkbox"/> General Education Core (Specify category)

Course Number & Title: BET 270 Freshwater Fisheries: Biology and Management

Date Prepared/Revised: 10-30-18

Date Course Approved by Curriculum Committee: 11-5-18

Date Course Approved by LOT: 11-12-18

<input checked="" type="checkbox"/> Technical Core (BET) <input checked="" type="checkbox"/> Restricted Elective (BET) <input type="checkbox"/> General Elective <input type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)
Course Fee: Yes – 45.00
Instructor's Qualifications: Master's degree with a minimum of 18 hours in fisheries or related field or Bachelor's degree in biology or related field and practical experience as determined by the BET Coordinator.
Expanded Course Description (provides details regarding major course concepts, target audience, delivery format, etc.)

Prepared by: Amo Oliverio, Science Instructor
Name, Title

10-30-18
Date

Approved Per LOT Minutes

Dean, Academic and Student Services

Date